DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

ORDER NO. 951

BY
Hal Bopp
STATE OIL AND GAS SUPERVISOR

DATED
September 10, 2003

LOBODO, INC. (L2300)

Wells “Elkins” 2, 4, 5, 6, 7, 8, 9, 10, 11, 14, 16, 17, 18, 20 & 21
Sections 5 & 6, Township 3 North, Range 19 West, S.B.B. & M.
Shiells Canyon Oil Field

and

Well “Elkins” 1
Section 7, Township 3 North, Range 19 West, S.B.B.&M.
Bardsdale Oil Field

Ventura County

Bond No. M110818 – “Elkins” 10
Insurance Company of North America
To: Lobodo, Inc.
Elkins Ranch Company:


The failure of an operator to file for any idle well the bond or fee required by Section 3206 of the Public Resources Code (PRC), or to provide for any idle well an escrow account or well-management plan in lieu of the bond or fee, is conclusive evidence under Section 3206(c) of the PRC of desertion of that well, permitting the State Oil and Gas Supervisor (Supervisor) to order that well plugged and abandoned. The Supervisor has determined that no bond, fee, or escrow account has been filed for wells “Elkins” 1, 2, 6, 7, 8, 9, 11, 16, 18, 20, and 21, which have been idle five or more years based on the reported production. Therefore, these wells are deserted and should be plugged and abandoned to protect life, health, and natural resources.

Additionally, the Supervisor has determined that all the wells listed in this order are deserted for various reasons under Section 3237 of the PRC. Under Section 3237(a)(3)(B), there is a rebuttable presumption that wells “Elkins” 4, 6, 9, 10, 14, 18, and 20 are deserted because their production equipment has been removed for at least two years. Under Section 3237(a)(2), there is credible evidence of desertion of all wells listed in this order because they are inoperable due to a lack of maintenance of the production equipment and tank facilities. There is a rebuttable presumption of desertion of well “Elkins” 18 under Section 3237(a)(3)(F) because the operator has failed to maintain access to the well. There is credible evidence of desertion of all wells listed in this order under Section 3237(a)(2) because the operator has failed to correct the environmental
deficiencies listed in a letter dated May 30, 2003, and in a Notice of Violation dated July 24, 2003. The operator has failed to comply with an order of the Supervisor regarding delinquent production reports and a Final Order Imposing Civil Penalty involving all the wells listed in this order, creating a rebuttable presumption of desertion of these wells under Section 3237(a)(3)(C). The operator has demonstrated a long-term lack of response to inquiries from the Division regarding idle-well management, environmental compliance, idle-well testing, production reporting, and failure to pay the oil and gas assessments, providing credible evidence of desertion under Section 3237(a)(2).

Therefore, acting pursuant to Sections 3206, 3224, 3226 and 3237 of the PRC, the Supervisor orders that all of the above-referenced wells be plugged and abandoned in accordance with Sections 3208, 3228, 3229 and 3230 of the PRC, Sections 1722 through 1724.1 and 1776 of Title 14 of the California Code of Regulations (CCR), and the requirements included on the Permits to Conduct Well Operations to be issued in accordance with Section 3229 of the PRC.

If a Notice of Intention to Abandon Well (Form OG108) for each well is not filed within 15 days after service of this order and work is not started within 30 days after issuance of the Permits to Conduct Well Operations and continued expeditiously and in good faith until completion, the Supervisor may contract for performance of the work pursuant to state contracting procedures. This work will also include the removal of the stationary and non-stationary oilfield equipment and non-oilfield equipment associated with the wells and well sites. An accurate account of the expenditures will be kept for reimbursement of the incurred costs. Because there is an individual bond for well “Elkins” 10, the first $10,000 of expenditures for the plugging and abandonment of this well, including a $2,010 service fee, will be charged to the bond. The remainder of costs shall constitute a lien against the real or personal property of the operator of the wells pursuant to the provisions of Section 3423 of the PRC.
This order may be appealed to the Director of the Department of Conservation within ten (10) days of receipt by the operator, or by the owner of the property on which the wells are located (Sections 3225 and 3350 of the PRC). Upon receipt of an appeal, the Director will schedule a public hearing pursuant to Section 3351 of the PRC.

Failure to perform the work specified or appeal the order by the operator will lead to the declaration of desertion for the wells and all equipment associated with the well sites for the performance of the work by the Supervisor and his contractors. Failure to appeal the order by the owner of the land on which a well or wells is/are located will be deemed a consent by that landowner to entry upon that land by the Supervisor and his contractors to perform the work specified in this order with respect to those wells and well sites.

Hal Bopp
State Oil and Gas Supervisor

by  

Bruce H. Hesson
District Deputy

Cert. mail rec. no.: 7000-1670-0005-5855-6157
DECISION OF THE DIRECTOR
In the matter of the Appeal of Lobodo, Inc.
Order No. 951 of the State Oil and Gas Supervisor

Lobodo, Inc., Dr. Mark Doherty, President, Appellant
State Oil and Gas Supervisor, Division of Oil, Gas and Geothermal Resources, Department of Conservation, Respondent

HEARING PROCEDURE

This matter arises from Formal Order Number 951 of the State Oil and Gas Supervisor (Supervisor) of the California Department of Conservation, dated September 10, 2003, directing Appellant Lobodo, Inc. (Lobodo) to plug and abandon the following sixteen wells located in the Shiells Canyon Oil Field and the Bardsdale Oil Field:


According to Order 951, the Supervisor determined that all the wells are deserted for various reasons under § 3237 of the Public Resources Code (PRC). Further, the Supervisor found that wells “Elkins” 1, 2, 6, 7, 8, 9, 11, 16, 18, 20 and 21 are deserted pursuant to PRC § 3206(c).

Lobodo, by letter dated September 18, 2003, filed an appeal of the order to the Director of the Department of Conservation (Director). As provided in PRC § 3350 et seq., the Director called a de novo hearing on the appeal. The hearing was held on December 5, 2003 at the District 2 Office for the Division of Oil, Gas and Geothermal Resources (Division) in Ventura. I served as hearing officer, by delegation of the Director.

SUMMARY OF EVIDENCE PRESENTED RE: ORDER 951

At the hearing, Lobodo stipulated as to all facts asserted by the Supervisor in Order 951. Lobodo did not stipulate as to the Supervisor’s conclusion, based on those facts, that the subject wells are deserted. Therefore, the question before me is whether the wells are deserted pursuant to PRC § 3206 and/or PRC § 3237. Also before me is the question of whether the Supervisor’s Order 951 to abandon and plug the wells shall be upheld.
9. Lobodo has not maintained access to well "Elkins" 18 and did not offer evidence at the hearing to rebut the resulting presumption that this well is deserted. (PRC § 3237(a)(3)(F).)

10. As to all the wells listed in Order 951, Lobodo did not correct the environmental deficiencies listed in a letter dated May 30, 2003, and in a Notice of Violation dated July 24, 2003. This is further credible evidence that the wells are deserted, pursuant to PRC § 3237(a)(2).

11. As to all wells listed in Order 951, Lobodo did not comply with an order of the Supervisor regarding delinquent production reports and a Final Order Imposing Civil Penalty. At the hearing, Lobodo did not offer any evidence to rebut the resulting presumption that these wells are deserted. (PRC § 3237(a)(3)(C).)

12. Lobodo has demonstrated a long-term lack of response to inquiries from the Division of Oil and Gas and Geothermal Resources regarding idle-well management, environmental compliance, idle-well testing, production reporting, and failure to pay oil and gas assessments. This is credible evidence of desertion under PRC § 3237(a)(2).

At the hearing, Dr. Mark Doherty, president of Lobodo, requested Lobodo be granted an additional four months in which to seek a buyer of the leases for the wells. Given the apparent lack of funds to bring the well sites up to a working standard that might be attractive to a potential buyer, among other restraints, I determined that the four-month extension would not likely result in a return to production of the wells. Therefore, the request for an extension is denied. In consideration of all of the facts cited above, and based on the grounds established in PRC §§ 3206 and 3237, I hereby conclude that all sixteen wells "Elkins" that are the subject of Order 951 are deserted, and I uphold Order 951 in its entirety.

DATE: December 19, 2003

Carol Nelson, Deputy Chief
Division of Recycling
Department of Conservation
PROOF OF SERVICE

I, Judith P. Waggoner, declare as follows:

I am a citizen of the United States, over the age of 18 years and not a party to this action. My place of employment and business is as in the letterhead.

On the 19th of December, 2003 I mailed the attached:

Decision of the Director
In the matter of the Appeal of Lobodo, Inc.
Order No. 951 of the State Oil and Gas Supervisor
To
John F. Hertz, Esq.  Dr. Mark Doherty
Lobodo, Inc.  1909 South Elliot
236 S. Coronado St., #409  Pryor, OK 94361
Los Angeles, CA 90057-1456

By:

_X_ First Class Mail. In a sealed envelope, with postage thereon fully prepaid, in the United States mail.

___ Overnight Delivery. ___________________________ In a sealed envelope cost fully prepaid.

Facsimile. Sent to the following number:

I declare under penalty of perjury that the foregoing is true and correct, and that this declaration was executed at Sacramento, California, on the 19th day of December, 2003.

Judith P. Waggoner
TRANSFER:

FROM: TEXACO, INC.

TO: LOBODO, INC.

Dated: October 1, 1973
REPORT OF CORRECTION OR CANCELLATION

Santa Paula, California

October 28, 1959

Mr. G. W. Chonette
P. O. Box 3247
Ventura, California
Texaco Inc.

In accordance with your well summary report, submitted Oct. 26, 1959

the following change pertaining to your well No. "Elkins" 20
Sec. 5, T. 3N, R. 19W, S.B. B. & M., Shells Canyon field,
Ventura County, District No. 2, is being made in our records:

☑ The corrected location is 1230' E'ly along the property line thence 175'
s'ly at 90° from the NE corner of NEk. SWk. of Sec. 5, T. 3N., R. 19W., S.B.B.M.

☑ The corrected elevation is 804.00 ft., above sea level, GROUND (816' k.b.)

☑ Report No. , dated , has been corrected as follows:

[Blank space for correction details]

☑ Your notice to (Drill, abandon, etc.) dated ,

and our report No. , issued in answer thereto, are hereby cancelled inasmuch as the work will not be done. If you have a drilling bond on file covering this notice it will be returned. No request for such return is necessary.

☑ Other:

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MAP

MAP

BOOK

CARDS

BOND

FORMS

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b

CC -

E. H. Musser
State Oil and Gas Supervisor

By

Deputy Supervisor
STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS  
WELL SUMMARY REPORT  
SUBMIT IN DUPLICATE  

Operator: The Texas Company  
Well No.: Elkins #20  

Sec.: 5    T.: 3N    R.: 19W    S.B.: 284 B. & M.  
Field: Shells Canyon  
County: Ventura  

Location: 1230' E'ly along the property line thence 175' S'ly at 90° from the NW corner of NE 1/4 SW 1/4 of Sec.  
(Give location from property or section corner, or street center lines)  
Elevation of ground above sea level: 804.00 feet  

All depth measurements taken from top of Kelly Bushing which is 11.70 feet above ground.  

In compliance with Sec. 1215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.  

Date: September 30, 1959  
Signed: O. W. Chonette  
Title: District Superintendent  
(Engineer or Chief Engineer)  
(Superintendent)  
(President, Secretary or Agent)  

Commenced drilling: 9-20-59  
Completed drilling: 8-13-59  

<table>
<thead>
<tr>
<th>GEOLOGICAL MARKERS</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Eocene</td>
<td></td>
</tr>
</tbody>
</table>

Geologic age at total depth: Eocene Pool  

Commenced producing: 8-14-59  
Flowing/gas lift/pumping: Name of producing zone: Eocene Pool  
(Cross out unnecessary words)  

| Initial production | 8-15-59 | 423 | 31.0 | 12.5 | 508 | 200 | 600 |
| Production after 30 days | 9-17-59 | 325 | 31.5 | 5.2 | 540 | 425 | 755 |

Casing Record (Present Hole)  

<table>
<thead>
<tr>
<th>Size of Casing (A. P. I.)</th>
<th>Depth of Shoe</th>
<th>Top of Casing</th>
<th>Weight of Casing</th>
<th>New or Second Hand</th>
<th>Seamless or Lapweld</th>
<th>Grade of Casing</th>
<th>Size of Hole Drilled</th>
<th>Number of Sacks of Cement</th>
<th>Depth of Cementing through perforation</th>
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<tbody>
<tr>
<td>20&quot;</td>
<td>100'</td>
<td>Surf</td>
<td>52.73'</td>
<td>New</td>
<td>Smls</td>
<td>-</td>
<td>-</td>
<td>9 yrs. 3&quot; Shoes</td>
<td>1100 &amp; 3&quot; 1100 &amp; 8&quot; 1100 &amp; 8&quot; 1100 &amp; 8&quot;</td>
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<tr>
<td>13-3/8&quot;</td>
<td>1916'</td>
<td>Surf</td>
<td>26' 29'</td>
<td>New</td>
<td>Smls</td>
<td>J-55</td>
<td>P-110</td>
<td>9&quot; 7/8&quot; Shoes</td>
<td>250 8&quot; 250 8&quot; 250 8&quot; 250 8&quot;</td>
</tr>
<tr>
<td>7&quot;</td>
<td>12,503'</td>
<td>Surf</td>
<td>26' 29'</td>
<td>New</td>
<td>Smls</td>
<td>J-55</td>
<td>P-110</td>
<td>9&quot; 7/8&quot; Shoes</td>
<td>250 8&quot; 250 8&quot; 250 8&quot; 250 8&quot;</td>
</tr>
</tbody>
</table>

Perforated Casing  
(Size, top, bottom, perforated intervals, size and spacing of perforation and method)  

Electrical Log Depths: (Attach Copy of Log)  

5962 - 6597' (60 Ms 12 R, 2' Rs, 6' Co) in 3rd redrill  
Orig Hole 9,150 - 100'  
1st Redrill 12,723 - 7203'  
2nd Redrill 13,553 - 12,505'  
3rd Redrill 5,803 - 5962'
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator: The Texas Company  Field: Shaells Canyon
Well No.  Elkins #20  Sec. 5  T. 3 N  R. 10 W  S.B. B&M.
Date:  September 30, 1959  Signed: C.W. Chambers
P.O. Box 3217, Ventura, Calif.  HI 6-6811  Title: District Supt.
(Address  Telephone)

DRILLING CONTRACTOR  THE SUN DRILLING CO.

MUD SERVICE  BAROID

1959

3-11  Set 100' of 20" conductor pipe and cemented with 9 cubic yards of
ready mix.

3-20  Spudded at 10 PM. Drilled with a 12 1/2" bit.

3-23  Drilled a 12 1/2" hole to 1916'. Conditioned the mud and ran an
electric log.

3-24  Opened the hole from 12 1/2" to 17" from 100' to 1914'.

3-25  Ran 46 joints of 13-3/8", 54.5#, J-55 casing to 1916'. Cemented
through the shoe with 1100 sacks of slurry mixed 1 cement to 1
Powmix followed by 150 sacks of neat construction cement. Good
returns to the surface.

3-26  Installed a 12" series 900 casing head and installed class L-A
BOPE. Tested the BOPE at 1500 psi for 15 minutes. Cleaned out
cement from 1856' and drilled out the shoe. Drilled with a 9-7/8"
bit. Mud  Lime base mud. Weight  77#/ft³, viscosity  60 seconds,
water loss  35 cc, sand content  .4%, mud cake  2/32", pH  10.5.

4-3  Drilled to 5841'. Mud Conditions  Weight  80#/ft³, viscosity  50
seconds, water loss  9.4 cc, sand content  3%, mud cake  2/32",
pH  9.4.

4-11  Drilled to 7275'. Lost and recovered 90' of fish. Mud Conditions  
Weight  76#/ft³, viscosity  148 seconds, water loss  6.9 cc, sand
content  2.8%, mud cake  2/32", pH  12.7, oil content  3% (Diesel).

4-14  Drilled to 8150'. Ran an electric log from 8150' to 1916' and took
sidewall samples.
The Texas Company
Elkins #20

4-15 Hung open end pipe at 8150' and pumped in 165 sacks of construction cement premixed with 83 sacks of sand. After four hours located the top of the cement at 7731'. Hung open end pipe at 7731 and pumped in 165 sacks of construction cement with 83 sacks of sand and 1% CaCO3. Top of cement at 7265'.

4-16 Polished off the plug to 7300'. Hung open end pipe at 7300' and pumped in 60 sacks of construction cement with 30 sacks of sand and 60# of Mud-Kil. Polished off the cement from 7186' to 7203'.

4-17 Redrill Number 1. Set whipstock #1 at 7203'. Drilled with a 9-7/8'' bit to 7220'. Set whipstock #2 at 7220' and drilled with an 8-3/8'' bit.

4-18 Set whipstock #3 at 7230' and drilled with an 8-1/2'' bit. Set whipstock #4 at 7236' and drilled with an 8-3/8'' bit.

4-20 Drilled to 7303' and set whipstock #5 at 7303'. Drilled with an 8-3/8'' bit. Mud Conditions: Weight = 76.5#/', viscosity = 43 seconds, water loss = 8.3 c.c., sand content = 2.5%, mud cake = 2/32'', pH = 12.7.

4-21 Drilled to 7349' with an 8-3/8'' bit then drilled with a 9-7/8'' bit, opening hole and drilling ahead.

4-24 Drilled a 9-7/8'' hole to 7605' and set whipstock #6 at 7605'. Drilled with a 9-7/8'' bit.

4-26 Cored from 7890' to 7894' (9-7/8''). No recovery. Core #1.

4-27 Drilled to 7896' and set whipstock #7 at 7896'. Drilled with a 9-7/8'' bit. Mud Conditions: Weight = 76.5#/', viscosity = 49 seconds, water loss = 7.4 cc, sand content = 2.3%, mud cake = 2/32'', pH = 12.5.

4-28 Drilled to 8032' and set whipstock #8 at 8032'. Drilled with a 9-7/8'' bit.

4-30 Drilled to 8211' and set whipstock #9 at 8211'. Drilled with a 9-7/8'' bit.

5-2 Drilled to 8405' and set whipstock #10 at 8405'. Drilled with a 9-7/8'' bit. Mud Conditions: Weight = 77#/ft.', viscosity = 54 seconds, water loss = 5.8 cc, pH = 12.5, mud cake = 2/32'', sand content = 3%.

5-4 Drilled to 8508'. Cored in 9-7/8'' hole from 8508' to 8510'. Recovered 2'. Core #2.

5-7 Drilled to 9013'. Cored in 9-7/8'' hole from 9013' to 9021'. Recovered 3'. Core #3.

5-9 Drilled to 9179'. Cored in 9-7/8'' hole from 9179' to 9199'. Recovered 8'. Core #4.
The Texas Company

Elkins #20

-3-

Sec. 5, T3N, R19W

5-12 Drilled to 95'6" and set whipstock #11. Drilled with a 9-7/8" bit. Mud Conditions: Weight = 77#/ft³, viscosity = 44 seconds, water loss 6 c.c.s., pH = 12.4, sand content = 2%, mud cake = 2/32".

5-13 Drilled to 9637'. Drilled with a 9-7/8" bit.

5-14 Drilled to 9694' and twisted off at 9624'. Recovered the fish. Drilled to 9757'.

5-15 Ran an electric log from 9757' to 7203'. Drilled with a 9-7/8" bit.

5-18 Drilled to 10,199'. Mud Conditions: Weight = 76.5#/ft³, viscosity = 55 seconds, water loss = 5.7 c.c.s., pH = 12.4, sand content = 2%, oil content = 3%, mud cake = 2/32".

5-23 Drilled to 10,692'. Stuck the pipe while taking a directional survey at 10,682'. Spotted 50 barrels of non-fluorescent oil.

5-24 Pulled the pipe free. Mud Conditions: Weight = 78#/ft³, viscosity = 58 seconds, water loss = 5.4 c.c.s., pH = 12.5, sand content = 1.5%, oil content = 3%, mud cake = 2/32". Drilled with a 9-7/8" bit.

5-26 Drilled to 10,847' and conditioned the mud. Ran an electric log from 10,847' to 9750'.

5-30 Drilled to 11,350'. Mud Conditions: Weight = 78#/ft³, viscosity = 50 seconds, water loss = 5.2 c.c.s., pH = 12.5, sand content = 1.5%, oil content = 2%, mud cake = 2/32".

6-5 Drilled to 12,084' and attempted to set a whipstock but the pin sheared at 7292'. Ran whipstock #13 and set at 12,064'. Stuck the drill pipe while orienting. Pulled loose. Drilled to 12,098'. Drilled a 9-7/8" hole and reamed tight hole from 6693' to 10,795'.

6-9 Drilled to 12,323'. Ran an electric log from 12,323' to 10,842' and a dipmeter from 12,323' to 10,833'. Cored in 9-7/8" hole from 12,323' to 12,327'. No recovery. Mud Conditions: Weight = 78#/ft³, viscosity = 60 seconds, water loss = 4.8 c.c.s., pH = 12.5, sand content 2%, mud cake = 2/32".

6-10 Drilled to 12,444'. Cored in 9-7/8" hole from 12,444' to 12,451'. Recovered 4'. Core #5.

6-16 Drilled to 12,948'. Stuck the drill pipe with the bit at 12,928' while working on bushings. Spotted 50 barrels of non-fluorescent crude oil. Working the pipe.

6-17 Ran a free point indicator. Found the pipe free to 12,698'. Backed off at 12,706'. Fishing. (222' of fish).
Stuck the pipe at 2687' while pulling out. Worked the pipe and
spotted non-fluorescent crude oil.

6-20 Backed off at 2481'. Fishing.

6-21 Recovered the fish from 2481' to 2687'.

6-22 Ran a 9-7/8" bit to 12,698' and conditioned the mud.

6-23 Ran 7" casing as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>12,503'</td>
<td>10,112'</td>
</tr>
<tr>
<td>9,094'</td>
<td>6,381'</td>
</tr>
<tr>
<td>6,381'</td>
<td>922'</td>
</tr>
<tr>
<td>922'</td>
<td>137'</td>
</tr>
<tr>
<td>137'</td>
<td>Surf.</td>
</tr>
</tbody>
</table>

Place a differential fill-up shoe on bottom, a differential fill-up
collar at 12,511' and a stage cementing collar at 6692'. Cemented
through the shoe at 12,503' with 250 sacks of hi-temp cement.
Cemented through the stage collar at 6692' with 600 sacks of con-
struction cement premixed with 1 cubic foot of Posmix and 1 lb. of
Mud-Kil per sack of cement plus 4% gel.

6-24 Landed the casing and installed the tubing head. Installed the
BOP and tested to 2200 psi. Drilled out the stage collar and
tested the casing to 2200 psi.

6-25 Ran a neutron log from 12,503' to 11,647'. Drilled out cement from
12,295' to the shoe. Cleaned out from 12,503' to 12,706' and cir-
culated the mud.

6-26 Ran drill pipe with scrapers to 12,706' and pumped in 120 sacks of
hi-temp cement premixed with 30 sacks of sand. After four
hours, located the top of the cement plug at 12,391'.

6-27 Cleared out cement from 12,391' to 12,510'. SECOND REDRILL. Set
whipstock #14 at 12,510' in 6-1/8" hole.

6-28 Drilled to 12,515' and set whipstock #15.

6-29 Drilled to 12,520' and set whipstock #16. Drilled with a 6-1/8" bit.

7-2 Drilled a 6-1/8" hole to 12,747'. Changed over from a high pH to a
low pH clay-base mud system. Mud Conditions: Weight = 77#/ft³,
viscosity = 50 seconds, water loss = 5 cc, pH = 9.4, sand content =
1/2, mud cake = 2/32".
7-10 Drilled to 13,557'. Ran an electric log from 13,553' to 12,505'. Mud Conditions: Weight = 75#/ft³, viscosity = 50 seconds, water loss = 5.8 cc, pH = 10.0, sand content = 1/2%, mud cake = 2/32". Drilled with a 6-1/8" bit.

7-14 Drilled to 13,908'. Cored in 6-1/8" hole from 13,908' to 13,918'. Recovered 5'. Core #7. Mud Conditions: Weight = 76#/ft³, viscosity 68 seconds, water loss = 4.8 cc, pH = 9.8, sand content = 1/2%, mud cake = 2/32". Drilled with a 6-1/8" bit.

7-17 Drilled a 6-1/8" hole to 14,206'. Stuck the pipe with the bit at 14,176'. Spotted 60 barrels of non-fluorescing oil. Worked the pipe.

7-18 Ran a free point indicator and found the pipe free at 14,048'. Backed off at 14,048'.

7-19 Stuck the fishing tools while jarring on the fish. Backed off at 13,748'. Cleaned out with a bit from 13,164' to 13,748'.

7-21 Ran open end drill pipe to 13,748' and pumped in 50 sacks of cement and 16 sacks of sand. Located the top of the plug at 13,555'. With 60,000# weight the drill pipe dropped to 13,583'. After 12 hours the cement at 13,563' took 100,000#. Drilled to 13,585' and broke through cement. Cleaned out stringers of cement to 13,748'.

7-23 Hung open end drill pipe at 13,748' and pumped in 50 sacks of modified cement and 16 sacks of sand. After 9 hours located the top of the cement plug at 13,647'. Hard cement at 13,657'.

7-24 Hung open end drill pipe at 13,657' and pumped in 60 sacks of cement and 20 sacks of sand. After 8 hours, located the cement at 13,464'. Cleaned out to 13,540' with a bit.

7-25 Stuck the drill pipe at 13,482' while pulling out of the hole. Spotted oil and worked the pipe. Located the free point and backed off at 13,352'. (Fish 13,352' - 13,482'). Cleaned out with a bit to 13,108'.

7-26 Ran 5', 18#., N-80 blank liner from 13,100' to 12,302'. Placed a float collar at 13,062'. Hung the liner with a Baasch-Ross plain type liner hanger. Cemented through the shoe with 100 sacks of modified cement. Mud Conditions: Weight = 73#/ft³, viscosity = 55 seconds, water loss 4.6 cc, pH = 9.4, sand content = 1/2%, mud cake = 2/32" oil content 5%.

7-28 Cleaned out cement from 12,680' to 13,081' and conditioned the mud.
7-29 Water Shut-Off Test #1. Shot 4, 1/2" holes at 13,065'. Set the packer at 13,016' with the tail to 13,043'. Opened the tester for one hour with a light to medium blow for the duration of the test. Recovered 6500' of brackish water. Cement Squeeze #1. Set a squeeze tool at 12,652' but could not breakdown the holes at 13,065' with 6700 psi. The tool was lowered to 13,080'; no fill.

7-30 Reset the squeeze tool at 13,019'; could not break the holes down with 8700 psi. Set a Baker model N cast iron bridge plug at 13,050' on wire line. Dumped two sacks of cement on top of the bridge plug. Shot 4, 1/2" holes at 12,918'. Formation Test #1. (12,918') - Set the packer at 12,837' with the tail to 12,859'. Used 4000' of fresh water cushion. Obtained an initial shut-in test for 1 hour - 55 min. Recovered 80' (0.5 bbls.) of drilling fluid with no oil or gas shows when tester was open.

7-31 Perforated the interval 12,915' to 12,910' with 4, 1/2" holes per foot. Formation Test #2. (12,915' - 12,910') - Set the packer at 12,832' with the tail to 12,854'. Used 1000' of fresh water cushion. Obtained a 1 hour - 20 min. shut-in test. Recovered 100' (0.6 bbls.) of drilling fluid with no shows. Perforated the interval 12,715' to 12,755' with 4, 1/2" jet holes per foot.

8-1 Formation Test #3. (12,755' - 12,715') - Set the packer at 12,663' with the tail to 12,679'. Used 1000' of fresh water cushion. Obtained a 1 hour - 10 min. shut-in test. Opened the tester for 2 hours. Recovered 10,737' (66 bbls.) of muddy to clear water (30 gpg). Set a Baker cast iron bridge plug at 12,700'. Dumped two sacks of cement on top of the plug. Shot 4, 1/2" holes per foot from 12,583' - 12,566', 12,558' - 12,535', and 12,527' - 12,510'.

8-2 Formation test #4. (12,583' - 12,510' at intervals). Set the packer at 12,464' with the tail to 12,479'. Obtained a 1 hour - 25 min. shut in test. Used 1000' of fresh water cushion. Recovered 10,940' (69 bbls.) of muddy water (30 gpg) in 2 hours. Set a Baker cast iron bridge plug at 12,000'. Dumped two sacks of sand on top of the bridge plug. Shot 4, 1/2" holes per foot from 11,870' - 11,900' and 11,915' to 11,930'.

8-3 Formation Test #5. (11,870' - 11,930' at intervals). Set the packer at 11,823' with the tail to 11,837'. Obtained a one hour shut-in test. The packer failed when the tester was opened. The test was inconclusive. Formation Test #6. (11,870' - 11,930' at intervals). Set the packer at 11,614' with the tail to 11,627'. Obtained a 1 hour - 2 min. shut-in test. Used a 1000' fresh water cushion. Recovered 8886' (56 bbls.) of muddy, fresh water in 2 hours - 13 min.

8-4 Set a Baker cast iron bridge plug at 10,250'. Dumped two sacks of cement on top of the plug. Water Shut Off Test #2. Shot 4, 1/2" holes at 6680'. Set the packer at 6635' with the tail to 6660'. Opened the tool for one hour with a light blow for 15 minutes then
dead for the remainder of the test. Recovered 240° of drilling fluid. The test was witnessed and approved by the Division of Oil and Gas. Cement Squeeze #2. Set the squeeze tool at 6463' and squeezed the holes at 6680' with 100 sacks of cement. Final pressure 1400 psi. Cement Squeeze #3. Set the squeeze tool at 6463' and squeezed the holes at 6680' with 150 sacks of construction cement. Final pressure 2400 psi.

8-5 Pressure tested the holes at 6680' to 5000 psi for 15 minutes. Water Shut-off Test #3. Shot 4, 1/2" holes at 5950'. Set the packer at 5890' with tail to 5915'. Opened the tool for one hour with a light blow for 45 minutes then dead for the remainder of the test. Recovered 135' of drilling fluid. The test was witnessed and approved by the Division of Oil and Gas.

8-6 Milled a section from 5975' - 6005' in 7", 26#, N=30 casing. Hung open end drill pipe at 6090' and pumped in 60 sacks of construction cement with 18 sacks of sand.

8-7 Cleaned out cement from 5827' to 5982'. Third Redrill. Set whipstock #17 at 5982'. Drilled to 5988' and set whipstock #18 at 5988'. Drilled with a 6-1/8" bit to 6009'.

8-8 Changed over to Ken-X drilling fluid at 6009'. Mud Weight = 78#/ft³, viscosity = 60 seconds.

8-9 Drilled to 6017' and twisted off at 5988'. Recovered the fish.

8-12 Drilled a 6-1/8" hole to 6600'. Circulated the mud and ran an induction log and a neutron log.

8-13 Ran 20 joints of 5", 18# liner as follows:

- J=55 6598' - 6597' Shoe
- J=55 6597' - 5982' Perforated (60 M, 12 R, 2"S, 6"C)
- N=80 5982' - 5782' Blank

Hung the liner with a Baash Ross plain type liner hanger. Ran 207 joints of 2", EUE, 8 rnd tubing

6504' - 60' J=55
60' - Surf N=80

Placed a 2" pump shoe at 6504' and an anchor at 5401'. Landed the tubing, removed the BOPE and installed the well head control equipment.

8-14 Displaced the Ken-X drilling fluid with lease crude oil (295 bbls.). The well commenced flowing at 6:45 A.M. Released the rig at 6 P.M.
The Texas Company
Elkins #20

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Recovered wash oil on 8-14-59

SANTA PAULA, CALIFORNIA

DIVISION OF OIL AND GAS
RECEIVED
OCT 26 1959

Shiells Canyon
Sec. 5, T3N, R19W

For Press. (kg/cm²)
SCHLUMBERGER SIDE-WALL SAMPLES

2170 ft Rec. 1-1/4" Sand: multicolored, fine grained with common coarse grains, fairly well sorted, soft, friable, no shows.

2193 ft Rec. 1" Oil sand: multicolored, as above but well stained with brown oil, petroleum odor, even butter yellow fluorescence.

2670 ft Rec. 1-3/4" Oil sand: as above.

2695 ft Rec. 3/4" Oil sand: tan stained, even yellow fluorescence, medium grained.

2763 ft Rec. 1-3/4" Oil sand: tan, fine and medium grained, soft, friable, moderate porosity and permeability, good odor, light amber cut, even butter yellow fluorescence.

2822 ft Rec. 1/2" Oil sand: as above.

2915 ft Rec. 1-1/4" Oil sand: as at 2763 ft.

2967 ft Rec. 1-1/2" Oil sand: tan, medium grained, soft, friable, moderate porosity and permeability, fairly poor sorting, even staining bright yellow fluorescence.

3176 ft Rec. 1-1/4" Oil sand: as at 2967 ft.

3240 ft Rec. 1-1/4" Oil sand: as at 2967 ft.

3573 ft Rec. 1-1/4" Oil sand: tan, very poorly sorted, soft, friable but with fairly low porosity and permeability(?), fair odor, even yellow fluorescence, coarse and medium.

3743 ft Rec. 1-1/2" Oil sand: as above but medium grained to occasionally fine grained.

3865 ft Rec. 1/2" Oil sand: as at 3573 ft.

4115 ft Rec. 3/4" Sand: gray green, fine grained, fairly well sorted, no odor, cut or fluorescence.

4245 ft Rec. 1" Sand: multicolored, soft, friable, fine grained, no shows.
4377' Rec. 1" Sand: medium grained, balance as above.
4581' Rec. 1" Sand: gray, as above, no shows.
4685' Rec. 1" Sand: gray, no shows.
4726' Rec. 1/2" Sand: gray, no shows.
4888' Rec. 3/4" Sand: gray, no shows, very poorly sorted.
5145' Recovered fragment of Sand: gray, white, medium-grained, soft, friable, no shows.
5345' Rec. 1" Oil sand: tan, medium grained, rather poor sorting, soft and friable, fair odor, even yellow fluorescence (±90%).
5430' Rec. 1/2" Oil sand: as above, well stained, good fluorescence.
5608' Rec. 1/2" Sand: gray, as above but no shows.
5694' Rec. 1/2" Oil stained sand: as above, soft, friable, ±90% yellow fluorescence.
5978' Rec. 1/2" Sand: gray, fine grained, well sorted, low porosity and permeability, no shows.
5995' Rec. 3/4" Sand: as at 5978'.
6035' Rec. 1/2" Silty sand: tan and gray, very fine but ±10% butter yellow fluorescence.
6105' Rec. 1/4" Oil sand: black and white, tan stained, fine grained, well sorted, soft and friable, good odor, even yellow fluorescence.
6204' Rec. 1/4" Oil stained sand: well broken, poorly sorted, fairly light, ±10% butter yellow fluorescence.
6265' Recovered loose fragments and grains of oil sand: tan, fine and medium, poorly sorted, soft, friable but even yellow fluorescence.
6280' No recovery.
6313' Rec. 3/4" Oil sand: gray and tan, fairly fine, soft and friable, probably rather poor porosity and permeability, but 60% butter yellow fluorescence.
The Texas Company

Elkins #20

Shiells Canyon
Sec. 5, T31 N, R4 E, CALIFORNIA

6440' Rec. 1/2" Oil sand: gray, tan, medium and fine, soft, friable, good odor, light amber cut CCL, even bright butter yellow fluorescence.

6523' Rec. 1/2" Oil sand: tan, fine grained to very fine grained, still soft and friable, even yellow fluorescence.

6650' No recovery.

6730' No recovery.

6915' Lost in hole.

7120' Rec. 1-3/4" Recovered sandy siltstone: gray green, common black grains, no shows. Eocene(?)

7210' No recovery.

7242' No recovery.

7363' No recovery. Drilling mud and gray green sand grains.

7490' Rec. 1-1/2" Sand: gray green, white with 30% black grains, no odor or cut, white fluorescence and yellowish white cut fluorescence. Probably Eocene.

7575' Rec. 1-3/4" Clayey sand siltstone: gray green, calcareous, fairly hard, tight, common black grains (Eocene?).

7587' Rec. 1-1/2" Fragments of fault gouge: sand, siltstone, green and pink inclusions.

7621' Rec. 1-3/4" Sand: green, white, very poorly sorted, medium to coarse grained, fault zone Miocene?

7665' No recovery.

7675' No recovery.

7685' No recovery - bullet lost.

7695' No recovery - bullet lost.

7698' Rec. 1-3/4" Sand fault gouge(?) with common fragments green shaley silt.

7720' Rec. 1-3/4" Sand: gray, green, black, fine, poorly sorted, interstices filled with clay, soft, friable, no shows.
The Texas Company
Shiells Canyon
Santa Paula, Califoria
Sec. 5, T33R, N.25W.

Elkins #20

-1½-

7760' Rec. 1½" Sand: gray, coarse, very poorly sorted, soft, poorly consolidated, probably Saugus on lithology, no odor, bluish white fluorescence and cut fluorescence.

7795' Rec. 1½" Sand: as at 7760'.

7835' Rec. ¾" Conglomeratic sand: gray and white, very coarse, soft, poorly sorted, pale white fluorescence.

7885' Rec. ¾" Sand: as at 7760' but gray. no shows.

7948' Rec. ¾" Sand: gray as above.

7991' Rec. 1¾" Sand: gray, soft, friable, medium grained, still poorly sorted, no shows.

8020' No Rec.

8063' Rec. 1½" Conglomeratic sand: gray, very coarse to pebbly, no shows.

8113' Rec. 1¾" Clayey silt (3/4), gray and gray green, soft 1/4 conglomeratic sand as above, no shows.

8135' Rec. 1/2" Conglomeratic sand: loose fragments, soft, very coarse, pebbly, no shows.
Core Description

Core #1
7090-95'  Stopped cutting after 3 feet. Lower core catcher damaged. Bit well worn. No recovery.

Core #2
8508-8510'  Rec. 2'  Siltstone: green, soft, friable, crushed, massive at top and bottom, center portion contains two 1/4" laminae of dark gray claystone suggesting very steep dip (65°/ 
angle of hole 25°-70°). No odor, stain, cut or fluorescence.

Core #3
9013-9021'  Rec. 8'  1-1/2' Sand: light greenish gray, silty, very fine grained, fair to poor sorting, soft, friable, abundant black grains, sparsely micaceous, become cross-bedded to bottom. Average 40°-60° dips on cross bedding. No odor, stain, cut or fluorescence. Grades into
6"  Sand: very coarse grained, greenish gray, soft, friable, rare gray claystone inclusions, quartz conglomerate granules common. No shows.
6"  Conglomerate: gray to greenish gray, very soft, friable, poorly consolidated, very poorly sorted. No odor, stain, cut or fluorescence.

Core #4
9179-9199'  Rec. 8'  5' Oil stained sand; medium to light gray with very faint light tan stain. Upper 1/4 medium to coarse, soft to easily friable, massive, abundant well rounded grits and scattered pebbles to 2" diameter. Grades sharply to 1/4 medium grained permeable gray sand with very faint tan cast. Sand grains subrounded to subangular. No odor, very weak CCl₄ cut, very light even yellow (hi-gravity) fluorescence of matrix = large grains and pebbles do not fluoresce.
3'  Shaly siltstone = light to medium gray, micaceous to finely sandy. Irregularly bedded - upper 2' has fair to good 30°-35° parting lower 1' of interval has 55-73° parting. Note - hole angle is 25° 15'.
Core #5
12,323-12,327 ft  No Recovery.

Core #6
12,444-12,451 ft  Rec. 4 ft  Shale, silty and very finely sandy. Occasional bands to 1" of very fine silty sand. Medium gray to dark gray with dark olive green cast. Firm to medium hard. Sandier portions abundantly biotitic, shaley portions micromicaceous. Occasional small pods of very fine, micaceous gray-white sand. No fracturing or slickensides. Dips fair to good 19°-26°. Faint but positive medium light yellow cut fluorescence on fresh, clean, piece of sandier core. No odor, no visible cut.

Core #7
13,908-13,918 ft  Rec. 5 ft  Clayey siltstone; medium to dark gray, fossiliferous (pelecypods), soft to difficultly friable, crumbles easily in water, laminated with streaks, very fine grained silty sandstone ranging from 1/6" to 1-1/2" (±5%), yellow fluorescence, visible brown stain, faint petroleum odor, fluorescence changes to yellow-orange in less than five minutes, probably indicating high gravity oil, light amber cut, yellowish white cut fluorescence.
**REPORT OF WELL ON PRODUCTION**

**REGION:** COASTAL  
**DISTRICT:** SANTA CLARA VALLEY  
**GROUP:** SHIELDS CANYON  
**FIELD:** COMPLETED: 8/14 59  
**AREA:** RECONDITIONED: 19  
**FAULT BLOCK:** RECONDITIONED: 19  
**POOL:** RESUMED: 19

**COMPANY:** TEXACO INC.  
**LEASE:** Elkins  
**SEC:** 5  
**T:** 3  
**R:** 19  
**WELL NO:** 20  
**PUMP DEPTH:** MAKE OF PUMP: 

**PREVIOUS WELL DATA**  
**TOTAL DEPTH:** TOTAL DEPTH: 6600' 
**PLUG:** PLUG: 
**W.S.O:** W.S.O: 7" G. 5875 
**FLINER:** FLINER: 5" L. 6599' inc. 

**PRESENT WELL DATA**  
**TOTAL DEPTH:** SIZE TUB: 21/2  
**PLUG:** DEPTH TUB: 6493'  
**W.S.O:** PACKER AT: 
**FLINER:** LENGTH OF STROKE: S.P.M. 

**PERFS:** PERFS: 5982-6597'  
**PUMPING UNIT:** PRODUCING AS OF: 8/14 59  
**GROSS FLUID:** B/D  
**GROSS OIL:** B/D  
**NET OIL:** 402  
**GRAVITY:** 31.0  
**CUT:** 8.0  
**NET GAS:** 511  
**CIR. GAS:**  
**TOTAL GAS:** MCF  
**G/O RATIO:**  
**PRESSURE:** TUB: PSI  
**CSG:** PSI  
**TRAP:** PSI  
**BEAN:** TUB:  
**CSG:**  
**BOTTOM:**

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**REMARKS:**  
Spud 3/20/59  
Directed southerly

**ELEVATION:** 816' KB  
**LOCATION:** From NW Cor. of NE 1/4 of SW 1/4 of Sec. 5-3-19 P.7  
1240'Ely along property line, thence 165'SWly @ R/As  
**FIELD ENG:** Norris  
**P/L CO.:**  
**GAS TO:**  
**BY:** Temple (By A. T.)  
**DATE:** 8/27/59  
**SCHEDULED PROD:** 6597'  
**SCHEDULED DATE:** 8-16-59

*Show length of liner or oil string.*  
Form E-113.
DEAR SIR:

Your well No. "Elkins" 20, Sec. 5, T. 3N, R. 19W, S.B., B & M., Shihala Canyon Field, in Ventura County, was tested for water shut-off on August 5, 1959, Mr. G. V. Bloom, designated by the supervisor was present from 11:30 A.M. to 2:15 P.M. as prescribed by law; there were also present T. G. Mason and M. E. Benson, Drilling Foremen.

Shut-off data: 7 in. 26 & 29 lb. casing was cemented through ports at 6692 ft. on June 23, 1959 in 9 7/8 in. hole with 600 cu. ft. sacks of cement and posmix (1:1 mix) calculated to fill behind casing to 3992 ft. below surface.

Casing record of well: 13 3/8" cement 1916; 7" cement 12,503, c.p. 6692, perf. 11,930'-11,915', and 11,901' - 11,870', four holes 6680' W.S.O. (cement off), four holes 5950' W.S.O.; 5" cement 12,195'-12,202', perf. 12,915' - 12,910', four holes 12,918' W.S.O., Co. Junk in hole 13,352'-13,482' and 13,758' - 14,176'. Bridge plugs 13,050', 12,700', 12,000' and # 14,206', ft. cmt. bridge 10,250' to 10,240' ft. Cleaned out cmt. --- ft. to 6648 ft. for test.

A Cook gun and tester was run into the hole on 3 1/2 in. drill pipe running with --- ft. of water-mud cushion, and packer set at 5690 ft. with tailpiece to 5915 ft. Tester valve, with 1/2 in. bean, was open for 1 hr. and --- min. During this interval there was a light blow for 25 minutes, and a very light blow for 20 minutes.

Mr. Benson reported:

#10,250'. Plugged with cement 13,758'-13,540', 13,050'-13,026', 12,700'-12,676', 12,000'-11,990' and 10,250'-10,240'. Junk: T.D. (1st hole) 8150', T.D. (2nd hole) 12,928'.

1. The test holes at 6680' were cemented shut with a total of 250 sacks of cement forced away (two jobs) under a maximum pressure of 2400 P.s.i.
2. The 7" casing was perforated with four 1/2" holes at 5950'.
3. A Cook gun and tester was run as noted above.

The Engineer noted:
1. When the drill pipe was removed 135' of normal drilling fluid was in the drill pipe above the tester, equivalent to 1.0 bbl.
2. The recording pressure bomb charts indicated the tester functioned properly.

THE SHUT-OFF AT 5950' IS APPROVED.

DS dated by phone Brown Co.

k

E. H. MUSSER
State Oil and Gas Supervisor

By: /s/ Jack — Deputy
Report on Test of Water Shut-off
(FORMATION TESTER)

No. T. 259-240

Mr. T W Fisher
P O Box 3247
Ventura California

Agent for Texaco Inc.

Santa Paula Calif.
August 5, 1959

Dear Sir:

Your well No. "Elkins" 20, Sec. 5 T. 3 N., R. 19 W., S.B. & M. Shiells Canyon Field, in Ventura County, was tested for water shut-off on August 4, 1959. Mr. C. H. Schultz, designated by the supervisor was present from 7:20 a.m. to 8:10 a.m., as prescribed by law; there were also present M. E. Benson and S. L. Cameron, Drilling Foremen.

Shut-off data:
7 in. 26 & 29 lb. casing was cemented through ports at 6692 ft.
on June 23, 1959, in 9 7/8 in. hole with 600 c.c. bags of cement and Posmix (1:1 mix) calculated to fill behind casing to 3992 ft. below surface.

Casing record of well:
13 3/8" cement 1916'; 7" cement 12,501', c.p. 6692', perf. 11,930' - 11,915' and 11,900' - 11,876', four holes 6680' W.H.O.; 5" cement 13,100' - 12,302', perf. 12,915' - 12,900', four holes 12,918' W.H.O., Co. Junk in hole 13,352' - 13,182' and 13,758' - 13,176'. Bridge plugs 13,050', 12,700', 12,000' and 10,250'. Plugged with cement 13,758' - 13,540'.

Present depth 14,206 ft. Cmt. bridge 10,250 ft. to 10,240 ft. Cleaned out cmt. 20 ft. to 20 ft. for test.
A Cook gun and tester was run into the hole on 3 1/2 in. drill pipe and 6635 ft. of water-mud cushion, and packer set at 6635 ft. with tailpiece to 6660 ft.

Tester valve, with 1/2 in. bean, was open for 1 hr. and 3992 min. During this interval there was a light blow for 15 min. and no blow thereafter.

Mr. Benson reported:

*13,050' - 13,026', 12,700' - 12,676', 12,000' - 11,990' and 10,250' - 10,240'.
Junk: T.D. (1st hole) 8150', T.D. (2nd hole) 12,948'.

1. A 9 7/8" hole was drilled from 1916' to 8150' (total depth 1st hole).
2. On April 15, 1959, 165 c.c. of cement was pumped into the hole through 5" drill pipe hanging at 8150', filling to 7300'.
3. On April 16, 60 c.c. of cement was pumped into the hole through 5" drill pipe hanging at 7300', filling to 7203', and the 1st hole was sidetracked at that depth.
4. A 9 7/8" hole was drilled from 7203' to 12,948' (total depth 2nd hole).
5. On June 26, 7" 26 and 29 lb. casing was cemented at 12,503' and through a cementing device at 6692' with 250 c.c. of cement and 600 c.c. of cement and Posmix (1:1 mix), respectively.
6. Cement displaced at 12,503' and 6692' is calculated to fill behind the casing to 11,378' and 3992' below the surface, respectively.
7. The hole was cleaned out to 12,706'.
8. On June 26, 120 c.c. of cement was pumped into the hole through 3 1/2" drill pipe hanging at 12,706', filling to 12,510', and the 2nd hole was sidetracked at that depth.
9. A 6 1/2" hole was drilled from 12,510' to 14,206' (total depth present hole).
10. A fish consisting of drill collars and bit was left in the hole from 14,176' to 13,758'.
11. On July 23, 50 c.c. of cement was pumped into the hole through 3 1/2" drill pipe hanging at 13,758', filling to 13,657'.

E. H. MUSSE r  
State Oil and Gas Supervisor

By: ____________________________ Deputy
Texaco Inc.

Well No. "Elkins" 20, Sec. 5, T. 3N, R. 19W, S.B., B. & M.

12. On July 24, 60 sacks of cement were pumped into the hole on 3 1/2" drill pipe hanging at 13,657', filling to 13,540'.

13. A fish consisting of drill collars and bit was left in the hole from 13,482' to 13,352'.

14. On July 26, 798' of 5", 18 lb. casing was cemented from 13,100' to 12,302' with 100 sacks of cement.

15. The 5" casing was perforated with four 1/2" holes at 13,065' and tested wet by the Company.

16. The shot holes at 13,065' could not be squeeze cemented.

17. A mechanical bridging plug was set at 13,050' and 2 sacks of cement was dumped on top, calculated to fill to 13,026'.

18. The 5" casing was perforated with four 1/2" holes at 12,918' and tested dry by the Company.

19. The 5" casing was perforated from 12,915' to 12,910' and tested dry by the Company.

20. The 5" casing was perforated from 12,755' to 12,715' and tested wet by the Company.

21. A mechanical bridging plug was set at 12,700' and 2 sacks of cement was dumped on top, calculated to fill to 12,676'.

22. The 5" casing was perforated from 12,583' to 12,566', 12,558' to 12,545' and 12,527' to 12,510'. These intervals tested wet by the Company.

23. A mechanical bridging plug was set in the 7" casing at 12,000' and 2 sacks of cement was dumped on top, calculated to fill to 11,990'.

24. The 7" casing was perforated from 11,930' to 11,915', 11,900' to 11,870' and tested wet by the Company.

25. A mechanical bridging plug was set at 10,250' and 2 sacks of cement was dumped on top, calculated to fill to 10,240'.

26. The 7" casing was perforated with four 1/2" holes at 6680'.

27. A Cook gun and tester was run as noted above.

The Engineer noted:

1. When the drill pipe was removed 240' of light drilling fluid was in the drill pipe above the tester, equivalent to 1.8 bbl.

2. The recording pressure bomb charts indicated the tester functioned properly.

THE SHUT-OFF AT 6680' IS APPROVED.

K

E. H. MUSSE r
State Oil and Gas Supervisor

By ____________________________ Deputy
Mr. T W Fisher

P O Box 3217
Ventura California

Santa Paula Calif.
August 5 1959

Agent for Texaco Inc.

Dear Sir:

Your supplementary proposal to drill Well No. "Elkins" 20

Section 5, T. 3W, R. 1W, S.B. B. & M., Shieles Canyon Field, Ventura County,
dated Aug. 3, 1959, received August 5, 1959 has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATED:
"The present condition of the well is as follows: 9 7/8" hole drilled to 12,948'. Fish from 12,928-12,706'. Cat plug from 12,706-12,510'. Sidetracked in 6 1/8" hole to 11,206'. Fish from 11,176-13,750'. Cat plug from 13,750-13,540'. Fish from 13,540-13,352'. Complete casing record: 20", 52.73', J-55 casing from surf to 100'. Ctd to surface. 13-3/8", 8.5", J-55 casing from surf to 1916' in 17" hole. Ctd thru shoe with 1100 sax of 11 cement and pozolan, and 150 sacks neat cement. 7", 26' and 29", 5-80 and 8-10 casing from surf to 12,503'. Ctd in 5-7/8" hole thru shoe with 250 sax cmt (Est. top: 11,500'). Ctd thru stage collar at 6692' with 600 sax const. cmt. with 1 1/2 pozolan and 2/3 gel. (Est. top: 1100'). 5", 10", 5-80 blank liner from 12,302'-13,100'. Cat'd solid in 6-1/8" hole.

Test #2: 1-1/2" holes at 12,050" (Co. 500). 8500' net rise of water. Could not squeeze at 6700 psi. Set bridge plug at 13,050'. Capped w/2 sax cat.

Test #3: 1-1/2" holes at 12,191" (Formation Test). 50' mud rise. No oil or gas.

Test #4: 1-1/2" holes/ft 12,710-12,915". (Formation Test). 100' mud rise. No oil or gas.

Test #5: 1-1/2" holes/ft 12,735-12,755". (Formation Test). 10,737' rise of water. No oil or gas. Set bridge plug at 12,700'. Capped with 2 sax cat.

Test #6: 1-1/2" holes/ft 11,980-11,900', 11,915-11,930'. (Formation Test). 8566' rise of water. No oil or gas. Set bridge plug at 10,250'. Capped with 2 sax cat."

PROPOSAL:
"1. Demonstrate 500 at 6600' and 5500'.
2. Mill section in 7" casing from 5975'-6005'.
3. Plug back to 5965' and redrill in 6-1/8" hole to 6600'.
4. Run 5" preslotted liner to 6600', run tubing and place on production."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS the tests as underlined above.

Blanket Bond

E. H. MUSSER, State Oil and Gas Supervisor

By: ______________________, Deputy
Supplementary Notice

Ventura  Calif.  August 3,  1959

DIVISION OF OIL AND GAS
Santa Paula  Calif.

A notice to you dated June 22, 1959, stating the intention to
run 7" casing and sidetrack fish in well No. Elkins 20,
(Drill, deepen, redrill, abandon)

Sec. 5, T. 3N, R. 19W, S.B. B & M, Shieala Canyon Field,
Ventura County, should be amended because of changed conditions.

The present condition of the well is as follows:
9-7/8" hole drilled to 12,948'. Fish from
12,928-12,706'. Cmt plug from 12,706-12,510'. Sidetracked in 6-1/8" hole
Total depth to 14,206' TD. Fish from 14,176-13,758'. Cmt plug from 13,758-
13,540'. Fish from 13,482-13,352'.

Complete casing record.
20' H, 52.72#, J-55 casing from surf to 100'. Cmt’d to surface.
13-3/8", 51.65#, J-55 casing from surf to 1916' in 17" hole. Cmt’d thru shoe
with 1100 sax of 1:1 cement and pozzolan, and 150 sacks neat cement.
7", 26#, and 29#, N-80 and P-110 casing from surf to 12,503'. Cmt’d in 9-7/8"
hole thru shoe with 250 sax cmt (Est. top: 11,500'). Cmt’d thru stage
collar at 6692' with 600 sax const. cmt. with 1:1 pozzolan and 1/2% gel.
(Est. top: 1100').
5", 18#, N-80 blank liner from 12,302'-13,100'. Cmt’d solid in 6-1/8" hole.
Test #1: 1/2" holes @ 13,065' (Co. WSO). 8500' net rise of water. Could
not squeeze at 8700 psi. Set bridge plug at 13,050'. Capped w/ 2 sax cmt.
Test #2: 1/2" holes @ 12,918' (Formation Test). 80' mud rise. No oil or gas.
Test #3: 1/2" holes/ft 12,910-12,915' (Formation Test). 100' mud rise. No
oil or gas.
Test #4: 1/2" holes/ft 12,715-12,755' (Formation Test). 10,737' rise of
water. No oil or gas. Set bridge plug at 12,700'. Capped with 2 sax cmt.
Test #5: 1/2" holes/ft 12,510-12,527' 12,515-12,583'. 12,566-12,583'.
(Formation Test). 10,940' rise of water. No oil or gas. Set bridge plug at
12,000'. Capped with 2 sax cmt.
Test #6: 1/2" holes/ft 11,870-11,900', 11,915-11,930'. (Formation Test).
800' rise of water. No oil or gas. Set bridge plug at 10,250'. Capped
with 2 sax cmt.

PROPOSED WORK:
1. Demonstrate WSO at 6680' and 5950'.
2. Mill section in 7" casing from 5975'-'6005'
3. Plug back to 5985' and redrill in 6-1/8" hole to 6600'.
4. Run 5" preslotted liner to 6600', run tubing, and place on production.

Box 3247, Ventura, California

Miller 8-6831

(Address)

By D.K. Hayward, Dist. Petr. Engr.

(Name of Operator)

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

2240 S 26 W 370
Mr. T W Fisher  
P.O. Box 3247  
Ventura California  

Agent for: Texaco Inc.  

Santa Paula Calif.  
June 24, 1959  

Dear Sir:

Your supplementary proposal to drill Well No. "Elkina" 20, Section 5, T. 3W, R. 19W, S.D. & M., Shieles Canyon Field, Ventura County, dated June 22, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:
"The present condition of the well is as follows:
Total depth: 12,956' 9-7/8" hole from 1916' to T.D.
Complete casing record:
20", 52.73#, J-55 casing, Surf., to 1001'.
Fish in the hole from 12,920' to 12,706' composed of drill collars and a bit."

PROPOSAL:
"We now propose to
1. Run a 7" protective casing string from surface to 12,500'.
   Cement through the shoe with 3000 sacks of cement.
2. Cement through a stage cementing collar at 6650'. Cement solidly to 1800'.
3. Place a cement plug on top of the fish.
4. Sidetrack the fish and drill a 6" hole to proposed total depth."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT:
1. A SUPPLEMENTARY NOTICE SHALL BE FILED PRIOR to running any additional casing into the hole. OTHER REQUIREMENTS may be outlined at that time.
2. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of each possible top water shut-off.

Blanket Bond
SHR:b
CO - Operator

E. H. MUSSER, State Oil and Gas Supervisor
Supplementary Notice

Ventura, Calif. June 22, 1959

DIVISION OF OIL AND GAS
Santa Paula, Calif.

A notice to you dated Feb. 11, 1959, stating the intention to
Drill well No. Elkins #20
Sec. 5, T. 3W, R. 19W, S.B. B & M Shiells Canyon Field,
Ventura County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth. 12,948' 9-7/8" hole from 1916' to T.D.
Complete casing record.
20", 52.73', J-55 casing. Surf. to 100'.

Fish in the hole from 12,928' to 12,706' composed of drill collars and a bit.

We now propose
1. Run a 7" protective casing string from surface to 12,500'.
   Cement through the shoe with 300± sacks of cement.
2. Cement through a stage cementing collar at 6650'.
   Cement solidly to 1800'.
3. Place a cement plug on top of the fish.
4. Sidetrack the fish and drill a 6" hole to proposed total
   depth.

Box 3247, Ventura, Calif.

Miller 8-6831
(Address) (Telephone No.)

The Texas Company

By
D.K. Hayward, Dist. Petr. Engr.
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T. 259-88

Mr. T W Fisher
P O Box 3267
Ventura California
Agent for The Texas Company

Santa Paula, Calif.
March 30, 1959

DEAR SIR:

Operations at well No. "Elkins" 20, Sec. 5, T. 3N, R. 19W, S.B. B & M. Shields Canyon Field, in Ventura County, were witnessed on March 26, 1959. Mr. John Hardein, Mr. Allen, Driller. There were also present S. L. Cameron, Drilling Foreman. Representative of the supervisor was present from 3:45 p.m. to 4:15 p.m. There were also present S. L. Cameron, Drilling Foreman.

Present condition of well: 13 3/8" c.m. 1916', T.D. 1916' (standing cemented)

The operations were performed for the purpose of inspecting the blowout prevention equipment and installation.

Mr. reported:

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

E. H. MUSSER
State Oil and Gas Supervisor

By: Deputy
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P. 259-55

Mr. T. W. Fisher
P. O. Box 3217
Ventura, California

Agent for The Texas Company

Santa Paula, Calif.
February 25, 1959

Dear Sir:

Your proposal to drill Well No. "Elkins" 20,

Section 5, T. 3N, R. 19W, S.B.B. & M., Shieells Canyon Field, Ventura County, dated Feb. 11, 1959, received Feb. 25, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES: (illegible)

Legal description of mineral right lease, consisting of 778.67 acres.

Do mineral and surface leases coincide? Yes.

Location of Well: 1250 feet Ely along property line and 165 feet S'ly at right angles to said line from the NW corner of NE1/4, SE1/2 of Section 5, T3N, R19W, SBM.

Elevation of ground above sea level 785 feet.

All depth measurements taken from top of Kelly Bushing which is 12+ feet above ground.

PROPOSED CASING PROGRAM

PROP.

Size of Casing

Inches A.P.I. Weight Grade & Type Top Bottom Cementing Depths

20" 52'/3# J-35 Surf. 100' 100' 100'

13-3/8" 54'/3# J-35 Surf. 1900' 1900' 1900'

Intended zone or zones of completion: Wildcat

Estimated total depth 13,300'.

It is understood that if changes in this plan become necessary we are to notify you before running casing.

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The 13 3/8" casing shall be cemented with sufficient cement to fill all of the space back of the casing.

2. The hole is, at all times, kept full of drilling fluid of proper weight and quality to prevent blowouts.

3. Adequate blowout prevention equipment shall be installed and maintained ready for use at all times.

4. Any hole penetrating an oil or gas zone, to be sidetracked, shall be plugged with cement insofar as possible.

5. A SUPPLEMENTARY NOTICE SHALL BE FILED prior to running any additional casing into the hole. OTHER REQUIREMENTS MAY BE OUTLINED at that time.

6. Special cementing or plugging for the protection of fresh waters may be required at the well in the event of running casing, other than the 13 3/8", or of abandonment.

THIS DIVISION SHALL BE CONSULTED in either case.

7. THIS DIVISION SHALL BE NOTIFIED to inspect the blowout prevention equipment before drilling below 2000'.

Blanket Bond
CVB/1

E. H. MUSSE, State Oil and Gas Supervisor

By: [Signature] Date: [Signature]
DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins.

Ventura, Calif. February 11, 1959

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Elkins #20, Sec. 5, T.3N., R.19W, S.B. B. & M., Shells Canyon Field, Ventura County.

Legal description of mineral right lease, consisting of 778.67 acres, is as follows:

(Attach map or plat to scale)

Do mineral and surface leases coincide? Yes. No. If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 1240' 2.7' feet E.N.W. along property line and 165 7.5' feet S.W. at right angles to said line from the SW 1/4 of Section 5, T.3N., R.19W., S.B.&M.

Elevation of ground above sea level 785.8' feet Datum.

All depth measurements taken from top of Kelly Bushing which is 12' feet above ground.

PROPOSED CASING PROGRAM

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>WEIGHT</th>
<th>GRADE AND TYPE</th>
<th>TOP</th>
<th>BOTTOM</th>
<th>CEMENTING DEPTHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20&quot;</td>
<td>52.73#</td>
<td>J-55 Surf.</td>
<td>100'</td>
<td>100'</td>
<td></td>
</tr>
<tr>
<td>13-3/8&quot;</td>
<td>54.5#</td>
<td>J-55 Surf.</td>
<td>1900'</td>
<td>1900'</td>
<td></td>
</tr>
</tbody>
</table>

Intended zone or zones of completion: Wildcat (Name)

Estimated total depth 13,300' (Depth, top and bottom)

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address: P.O. Box 3247, Ventura, Calif. The Texas Company

Telephone Number: M1 8-6831 By

D. K. Hayward-Dist. Petr. Engineer

The Texas Company

(Full Name of Operator)