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 18, 2003

Carol Nelson, Deputy Chief
Division of Recycling
Department of Conservation
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.
Lobodo, Inc.
236 S. Coronado St., #409
Los Angeles, CA 90057-1456

Dr. Mark Doherty
1909 South Elliot
Pryor, OK 94361

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
REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Shillee Canyon
Former Owner: Texaco, Inc.
Description of Property: Sec. 5, T.3N., R.19W., S.B. & W.
Sec. 6, T.3N., R.19W., S.B. & W.

List of Wells:

Sec. 5
"Elkins" 2 (111-02913)
"" 5 (111-02915)
"" 6 (111-02916)
"" 7 (111-02917)
"" 9 (111-02919)
"" 10 (111-02920)
"" 11 (111-02921)
"Elkins" 15 (111-02924) Abd.
"" 16 (111-02925)
"" 17 (111-02926)
"" 20 (111-02928)
"" 21 (111-02929)
"" 18 (111-02927)

Sec. 6
"Elkins" 4 (111-02914)
"" 8 (111-02918)
"" 13 (111-02922)
"" 14 (111-02923)

Date of Transfer: October 1, 1972
New Owner: Lebedo, Inc.
Address: P.O. Box 976
Santa Ynez, California 93460
Telephone No: (805) 688-4513

Type of Organization: Corporation
Reported by: Texaco, Inc.
Confirmed by: Lebedo, Inc.
New Operator New Status: PA
Old Operator New Status: PA
Request Designation of Agent: Yes

Remarks:

cc: Cons. Comm.

[Signature]
Deputy Supervisor

<table>
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<tr>
<th>Form 121</th>
<th>INITIALS</th>
<th>DATE</th>
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<td>Well Records</td>
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<td>Electric Log</td>
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<td>Production Reports</td>
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<td>Map and Book</td>
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<td>Form 148</td>
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<td>Notice to be cancelled</td>
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<tr>
<td>Bond status</td>
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LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells
REPORT OF WELL ON PRODUCTION

FIELD OFFICES
BAKERSFIELD
554 HABERFELDE BUILDING
PHONE: FAIRVIEW 4-4505
LONG BEACH
3508 ATLANTIC AVENUE
PHONE: LONG BEACH 4-8567

CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS
655 SUBWAY TERMINAL BUILDING
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MADISON 7731

DIVISION OF OIL AND GAS
RECEIVED
JAN 5, 1955

SANTA CLARA, CALIFORNIA

Coastal
Santa Clara Valley

REGION

Bardsdale

FIELD

Sespe

AREA

RECOMPLETED

FAULT BLOCK

RECONDITIONED

POOL

RESUMED

12/17/54

METHOD OF PRODUCTION

MAKE OF PUMP

SIZE OF PUMP

FLOWING

PREVIOUS WELL DATA

LEASE

SEC. T. R. WELL NO.

WELL

19

3

8

PRESENT WELL DATA

TOTAL DEPTH

TOTAL DEPTH

4750' 1/2

PUMP DEPTH

SIZE TBG

4346'

7¼" C. 4653'

DEPTH TBG

PACKER AT

LENGTH OF STROKE

S.P.M.

PERFS

PERFS

4649' - 4738'

PERFS

PREVIOUS WELL DATA

PERFS

PRESENT WELL DATA

PERFS

PERFS

PRODUCTION AS OF

12/17/54

19

REMARKS:

Spud: 10/22/54

DATE

NET B/D

GRAV.

% CUT

T. P.

C. P.

BEAN

M. C. F.

G. O. R.

12/20/54

254

23.9

0.8

360

1200

12/64'

185

ELEVATION: 579' XB

LOCATION:

150' W. & 350' N. Fr. E4 Cor. Sec. 6-3-9

CARD TO ENG. CLERK

P. T.

FIELD ENG

Hight

MADE BY

EFFECTIVE DEPTH

4738'

SCHEDULED PROD.

200

EFFECTIVE DATE

12/22/54

GAS TO

Temple

DATE

UNVERIFIED

RECEIVED

SHOW LENGTH, SIZE, PERFORATED INTERVALS OF LINER OR OIL STRING.

Form E-113.
# REPORT OF WELL ON PRODUCTION

**REGION:** COASTAL  
**DISTRICT:** SANTA CLARA VALLEY  
**FIELD:** BARDSDALE  
**AREA:** COMPLETED  
**RECOMPLETED:**  
**RECONDITIONED:**  
**RESUMED:**  
**POOL:** Sespe  
**METHOD OF PRODUCTION:** Flowing  
**MAKE OF PUMP:**  
**SIZE OF PUMP:**  

## COMPANY  
**THE TEXAS COMPANY**  
**LEASE:** Elkins SEC. 6 T 3 R 19 WELL NO. 8

## PREVIOUS WELL DATA  
**TOTAL DEPTH:**  
**PLUG:**  
**W.S.O.:**  
**Liner:**  
**PERFS.:**

## PRESENT WELL DATA  
**TOTAL DEPTH:** H790'  
**PLUG:**  
**W.S.O.:**  
**Liner:**  
**PERFS.:**

## REMARKS:  
Spud 10/22/54

## DIVISION OF OIL AND GAS  
**RECEIVED:** JAN 17 1955  
**SANTA PAULA, CALIFORNIA**

## Date | Net B/D | Grav. | % Cut | T. P. | C. P. | Bean | M.C.F. | G.O.R.  
--- | --- | --- | --- | --- | --- | --- | --- | ---  
12-20-54 | 25h | 29.9 | 0.8 | 360 | 1200 | 11/6h | 185 |

## ELEVATION: 579' KB  
**LOCATION:** 135'N & 240'W, from E corner Sec. 6-3-19

## By  
**Date:** 12/22/54

---

*SHOW LENGTH, SIZE, PERFORATED INTERVALS OF LINER OR OIL STRING.*

*Form E-111.*
DIVISION OF OIL AND GAS
WELL SUMMARY REPORT
Operator: The Texas Company Field: Shieffs Canyon Field
Well No. Elkins #8 Sec. 6, T. 3N, R. 19W, S.B. B. & M.
Location: 135' N and 240' W from NE corner
Elevation above sea level: 577 ft.
All depth measurements taken from top of Kelly Bushing, which is 12 feet above ground.

In compliance with the provisions of Chapter 93, Statutes of 1939, 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: January 17, 1955
Signed: R. L. Patton (Superintendent)
Title: Superintendent
(Engineer or Geologist)
(President, Secretary or Agent)

Commenced drilling: 10-22-54 Completed drilling: 12-13-54 Drilling tools: Rotary
Total depth: 4790 Plugged depth: GEOLOGICAL MARKERS
Junk: DEPTH

Flowing/Producing: 12-10-54

<table>
<thead>
<tr>
<th>Class Oil bbl. per day</th>
<th>Gravity Class Oil</th>
<th>Per Cent Water including emulsion</th>
<th>Gas Mcf. per day</th>
<th>Taking Pressure</th>
<th>Casing Pressure</th>
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<td>196</td>
<td>29</td>
<td>3.0</td>
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<td>320</td>
<td>800</td>
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<td>156</td>
<td>29.1</td>
<td>0.1</td>
<td>67</td>
<td>240</td>
<td>1420</td>
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Initial production
Production after 30 days

Casing Record (Present Hole)

<table>
<thead>
<tr>
<th>Size of Casing (A. P. L.)</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 perforations</th>
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</thead>
<tbody>
<tr>
<td>51&quot;</td>
<td>4638</td>
<td>4622</td>
<td>17#</td>
<td>new</td>
<td>5-55</td>
<td>10&quot;</td>
<td>16&quot;</td>
<td>1600</td>
<td>90 through shoe 200 through perf. 2592</td>
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</tbody>
</table>

See details of cementing in history

Perforations

<table>
<thead>
<tr>
<th>Size of Casing</th>
<th>From</th>
<th>To</th>
<th>Size of Perforations</th>
<th>Number of Rows</th>
<th>Distance Between Centers</th>
<th>Method of Perforations</th>
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</thead>
<tbody>
<tr>
<td>51&quot;</td>
<td>4647</td>
<td>4798</td>
<td>80 mesh 23/4&quot; slots</td>
<td>12</td>
<td>6</td>
<td>Machine</td>
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</tbody>
</table>

Electrical Log Depths: Surface to 4790' (Attach Copy of Log)
History of Oil or Gas Well

Operator: The Texas Company
Field: Shiehs Canyon

Well No. Elkins #8

Sec. 6, T. 39 N, R. 19 W, S.B. & M.

Date: January 17, 1955
Signed: (Signed) R.L. PATTON

Box 510, Santa Paula, Calif. 6-1951

Title: Superintendent

(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

1954

10-22 Spudded at 12:00 A.M. with 16" bit and drilled to 1425'.

10-23 Drilled to 208'. Ran 213', 113/4", 47# casing; shoe at 201' K.B.

10-24 Found cement at 193'. Tested casing with 750# for 10 minutes.
Drilled to 620' with 9-7/8" bit. Oil emulsion mud: weight, 77.5#/ft3; viscosity, 47; sand content, 12%; 30 minute water loss, 4.4 cc.

10-31 Drilled to 2500'. Ran electric log and took sideward samples.

11-2 Drilled to 2970'. While pulling out of the hole, the well started flowing mud at 5:30 P.M. Closed rams on drill collars and pumped in 100 barrels of 78#/ft3 mud but could not kill well. Pressure built up to 200 psi when well was shut in. By 7:30 P.M. gas and mud broke out at the surface at 5 places from 25' to 200' from the location.

11-3 Pumped in 300 barrels of 90#/ft3 mud but could not kill the well.
Pumped in 1935 sacks of cement in three stages with the last 400 sacks treated with 10 sacks of Calseal. The blowout continued in two places. Pumped in 1075 sacks of cement and 85 sacks of Calseal in three stages which did not stop the blowouts. Pumped in 50 sacks of cement and 25 sacks of Calseal and let set for one hour. All the mud and gas leaks at the surface were stopped. Found the cement at 210'. Ran in with open end drill pipe to 205' and pumped in 50 sacks of cement and 25 sacks of Calseal with no pressure buildup. Let cement set for one hour and pumped in 50 sacks of cement and 25 sacks of Calseal and pressure started building up. Pulled up to 90' and applied 1000 psi pressure. Found the cement at 94'.

DRILLING CONTRACTOR - TERMINAL DRILLING AND PRODUCTION COMPANY
11-4 Removed casing flange and installed 12" series 900 casing head.

11-5 Ran 9-7/8" hole opener and cleaned out cement bridges from 945' to 3067'. Lost 40 barrels of mud at 201'. Well showed gas after drilling through each bridge and blew out on reaching 290'.

11-6 Killed well with 112#/ft³ mud. Cleaned out bridge from 290' to 320' and well blew out again. Pulled up to 290' and closed B.o.P. Pressure built up to 550 psi. Pumped in 310 barrels of 103#/ft³ mud but could not kill the well.

11-7 Pumped in 320 barrels of 110#/ft³ mud in two stages with the well closed in. Hole took the mud at 100 to 150 psi. Opened bleeder and well flowed gas and saltwater. Closed bleeder and pumped in 300 barrels of 90 to 105#/ft³ mud and killed the well except for an occasional head. Cleaned out hole from 320' to 647'.

11-8 Drilled through a bridge at 692' and had a slight blow. Closed in and bled off gas pressure. Circulated at 30' stages while going in the hole to a bridge at 783'. The hole took 50 barrels of mud. Drilled through a series of bridges to 1689 and conditioned gas-cut mud at intervals. Had a slight blow at 910'.

11-9 Drilled through series of bridges to 2660' and conditioned gas-cut mud at intervals. The hole took 60 barrels of mud. Clay base mud; weight, 79; viscosity, 53; 15 minute water loss, 15 cc.

11-10 Drilled through last plug and to bottom of the hole. Cored from 2971' to 2981' with 8½" core barrel.

11-11 Ran electric log and took sidewall samples. Drilled 9-7/8" hole to 3105'.

11-16 Cored from 3728' to 3732' with 9-7/8" barrel.

11-17 Drilled 9-7/8" hole to 3821'. Clay base mud; weight, 82; viscosity, 45; sand content, 1%.

11-18 Cored from 3914' to 3914' with a 9-7/8" core barrel.

11-19 Drilled 9-7/8" hole to 4052'.

11-20 Started drilling 8½" hole at 4052'. Cored in 8½" hole from 4076' to 4091'.

11-21 Cored in 8½" hole from 4091' to 4104'. Drilled 8½" hole to 4179'.

11-23 Cored in 8½" hole from 4318' to 4331'. Drilled 8½" hole to 4378'.
11-25 Claybase mud: weight, 81; viscosity, 47; sand content, 1%; 30 minute water loss, 6.8.

11-26 Started coring in 8 1/16" hole at 4673'. Cored to 4685'.

11-27 Cored in 8 1/2" hole from 4685' to 4694'. Ran electric log and took sidewall samples. Began reaming 8 1/2" hole to 9-7/8" hole at 4052'.

11-28 Reamed 8 1/2" hole to 9-7/8" hole to 4640'. Cored in 8 1/2" hole from 4694' to 4697'.

11-29 Formation Test #1. Tested interval from 4660' to 4697'. Ran open hole tester and set packer at 4660' with the tail at 4697'. The tool plugged immediately and there was no blow or recovery. Formation Test #2. Tested interval from 4660' to 4697'. Ran open hole tester and set the packer at 4660' with the tail at 4697'. The tester was open for 70 minutes. There was a medium to strong blow initially, which was measured at 52 MCF/D rate after 8 minutes, and which decreased to 1 MCF/D rate in 15 minutes. There was no blow after 60 minutes. Recovered 550' (7.7 barrels), including 460' of mud cushion, of slightly gas cut mud. Charts indicated that the tool remained open for 3 minutes and was plugged for the remaining 67 minutes. The final pressure of 1960# was reached in 3 minutes on the outside bomb. Reamed 8 1/2" hole to 9-7/8" hole from 4640' to 4670'.

11-30 Reamed 8 1/2" hole to 9-7/8" hole to 4697' and drilled 9-7/8" hole to 4703'. Cored in 8 1/2" hole from 4703' to 4717'.

12-1 Cored in 8 1/2" hole from 4717' to 4721'. Drilled 8 1/2" hole to 4760'.

12-2 Drilled to 4765'. Cored in 8 1/2" hole from 4765' to 4790'. Started running electric log.

12-3 Completed running electric log. Ran dipmeter and caliper log.

12-4 Ran in 113 joints, 4675', 7", 23# casing with D.J.U. collar at 2592'. and cemented at 4653' with 90 sacks modified cement mixed one to one with pozmix and 4% gel. Cemented through D.V. collar with 200 sacks modified cement mixed one to one with pozmix and 4% gel. Cement returned to the surface.

12-5 Ran 1" pipe to 70' to circulate out the soft cement from between the 7" and 11 3/4" casing. Pumped in 50 sacks construction cement treated with 4% calcium chloride. Cement returned to the surface.

12-6 Tested B.o.E. at 1000# psi for 15 minutes. Shot four 1/2" holes at 1825'. Set squeeze tool at 1792' and pumped in 45 sacks of construction cement at 450 psi. After 3 hours, pumped in 65 sacks at 450 psi and let it set for 3 hours. Set tool at 1723' and pumped in 50 sacks, let it set for 5 hours.
12-7 Pumped in 50 sacks of construction cement at 4,500 psi with tool at 1728'. After 5 hours, pumped in 100 sacks of construction cement at 600 psi. After 4 hours it had not set. Pumped in 100 sacks, after 6 hours it had not set. Pumped in 50 sacks and let it set for 6 hours.

12-8 Hole took a little fluid at 1,500 psi. Ran in with bit but could not find the cement. Set squeeze tool at 1667' and pumped in 50 sacks modified cement to 4% CaI seal at a maximum pressure of 1000 psi. Final pressure 700 psi. Let it set for 4 hours. Fluid bled back.

12-9 Pulled squeeze tool and ran in with bit and casing scraper. Located soft to semi-hard cement at 1740'. Drilled cement from 1740' to 1810'. No cement from 1810' to the shot holes at 1825'. Tested cement with 1000 psi. Broke down to 700 psi. Set squeeze tool at 1667', pumped in 100 sacks of construction cement followed with 50 sacks construction cement mixed with 22 sacks CaI seal. Maximum pressure 2000 psi. Final pressure 2000 psi. Set 4 hours. Ran in and did not find any cement in the casing. Tested the holes at 1825' with 1000 psi. Drilled out D.V. collar and cleaned out to 4460'.

12-10 Ran in casing tester and set packer at 4326'. Shot four 1/2" holes at 4350'. Tool open 1 hour. There was a medium blow for 2 minutes; no blow for 1 minute; medium blow for 20 minutes; no blow for 22 minutes; followed by a light blow for remainder of the test. Recovered 1592' (11.8 barrels) of thick gassy drilling fluid. The charts indicated the tester functioned properly. The WSO was not approved. Set squeeze tool at 4110'. Broke down formation with 4000 psi. Pumped in 100 sacks modified cement at a maximum pressure of 3800 psi. Final pressure 1400 psi. Found cement at 4200'.

12-11 Drilled medium hard cement with 6 1/4'' bit from 4200' to 4296'. No cement from 4296' to 4350'. Pressure tested holes at 1825' for 20 minutes with 1000 psi. Shot four 1/2'' holes at 4349'. Set packer at 4325' with the tail at 4346'. Tool was open for one hour and recovered 170' (1.1 barrel) of gas cut mud. "The charts indicated the tool functioned properly and the W.S.O was approved. Drilled cement with 6 1/4'' bit from 4550' to 4653'.

12-12 Reamed hole to 10'' hole from 4653' to 4790'.

12-13 Ran 5 3/4'', 17#, J-55, flush joint liner with 14'' of 30 mesh perforations. Shoe at 4789'. Top of hanger at 4622'. Ran 2 3/8' tubing to 4345'.

12-16 Swabbed fluid to 1500'. Flowed 96 barrels oil, 4 barrels water in 12 hours.

12-18 Flowed 196 B.O. 6 B.W.O; 3% cut; 29 gravity; 16/64'' bean; 100 MCF; 320 psi T.P.; 800 Psi C.P.
12-19 Flowed 257 B.O.; 1 B.W.; 0.1% cut; 100 MCF; 16/64" bean.
12-20 Flowed 254 B.O.; 1 B.W.; 98 MCF; 14/64" bean; 0.1% cut.
       300 psi T.P.; 1200 psi G.P.
12-21 Flowed 248 B.O.; 1 B.W.; 100 MCF.
12-22 Flowed 258 B.O.; 1 B.W.; 100 MCF; 300 psi T.P.; 1390 psi G.P.

DIVISION OF OIL AND GAS
RECEIVED
JAN 25 1955
SANTA PAULA, CALIFORNIA
HALLIBURTON SIDEWALL SAMPLES

1581' Rec. 3/4"
Oil stained sand; light gray-white with green cast, friable, thick to thin bedded, fine to medium grained, feldspathic, clayey; contains occasional inclusions gray-green clay to 1/8'; low porosity and permeability; patchy light brown oil stain, fair oil odor, straw cut, patchy yellow fluorescence, milky dark yellow cut fluorescence.

1865' Rec. 1/2"
Oil stained sand; green-white with uneven light brown oil stain, thick bedded, friable, medium to coarse grained, fairly poorly sorted, grains subangular, quartzose, feldspathic, silty and clayey; fair to low porosity and permeability; fair oil odor, uneven yellow-tan fluorescence, dark straw cut, clear yellow with green tint cut fluorescence.

1951' Rec. 1"
Oil stained sand; sand as above; low porosity and permeability; patchy oil stain on about 25% of fresh surface, slight oil odor, spotty yellow-fluorescence, extremely pale yellow cut, pale yellow-green cut fluorescence.

2097' Rec. 1/2"
Oil stained sand; light gray-white with slight green cast, patchy to uneven light brown oil stain, thick bedded, friable, medium grained, fairly poorly sorted, feldspathic, silty and clayey; low porosity and permeability, fair oil odor, very pale dull brown fluorescence, whiskey cut, milky yellow-green cut fluorescence.

2194' Rec. 1/4"
Sand; light gray green, massive, fine grained, fairly well sorted, grains subangular to subrounded, feldspathic, clayey; tight; no visible stain, slight oil odor possibly due to oil emulsion mud, no fluorescence. Sample contaminated with mud.

2196' No Recovery
Bullet empty.

2305' Rec. 1/2"
Silty oil stained sand; even light brown oil stain, friable, thin bedded, fine grained, fairly well sorted, feldspathic, very silty; low porosity and permeability, fair oil odor, light brown pale fluorescence, dark whiskey cut, clear yellow-green fluorescence.
2339' Rec. 1/2" Oil stained sand; medium gray with fairly even light brown oil stain, thick bedded, friable, fine to medium grained, fairly poorly sorted, feldspathic, silty and clayey; fair to low porosity and permeability; fair to good oil odor, even light brown fluorescence, whiskey cut, yellow-green cut fluorescence.

2387' Rec. 1' Oil stained sand; thorough even brown oil stain, thick bedded, friable, fine to medium grained, fairly poorly to fairly well sorted, feldspathic, silty; fair porosity and permeability; good oil odor, even yellow-brown fluorescence, light amber cut, yellow-green cut fluorescence.

2490' Rec. 1' Sand; light gray, thick bedded, friable, medium grained, feldspathic, clayey, low porosity and permeability, very faint or no oil odor, no fluorescence, no cut color, no cut fluorescence.

2515' Rec. 1/2" Clayey Sand; mottled light gray-green and tan-white, massive, medium-coarse grained, fairly poorly to poorly sorted, grains subangular to angular, arkosic, contains abundant green clay; tight; no visible stain or odor, pale light brown fluorescence, no cut color, pale yellow cut fluorescence.

2588' Rec. 1/2" Clayey Sand; tan to light gray, tan color may be partially due to oil stain, sand as at 2515' above except better sorted, contains abundant green clay; low porosity and permeability, faint oil odor, even pale light brown fluorescence, dark straw cut, milky yellow cut fluorescence.

2610' Rec. 1/4" Clayey Sand; light tan to light gray, tan color may be due to oil stain, medium grained, subangular, arkosic, contains abundant patches of green clay; low porosity and permeability to tight; slight to fair oil odor, pale light brown fluorescence, whiskey cut, milky yellow-green cut fluorescence.

2663' Rec. 3/4" Sand; light gray with slight greenish cast, massive, fine-medium grained, fairly well sorted, subangular, arkosic, contains rare biotite, common green accessory mineral; low porosity and permeability to tight, no visible stain, no odor, no fluorescence.

2697' Rec. 3/4" Oil stained sand; light gray with green cast and with patchy medium brown oil stain on about 50% of fresh surface, medium-coarse grained, fairly poorly sorted, arkosic, contains rare biotite; fair-low porosity and permeability; slight to fair oil odor, patchy dull brown fluorescence, dark straw to whiskey cut, milky yellow-green cut fluorescence.
2853' Rec. 1/2" Sand, light gray with gray-green cast, massive, fine-medium grained, subangular, arkosic, slightly clayey; low porosity and permeability to tight; no visible stain or odor, no fluorescence.

2934' Rec. 1" Sand, medium-light gray with silt, gray-green cast, massive, fine-medium, subangular-subrounded, arkosic, low porosity and permeability, no visible stain, no odor, rare specks brownish yellow fluorescence.

3170' Rec. 1" Sand, light grey green, as in 3465'.

3226' Rec. 1/2" Sand, light grey, slight brown cast locally, fine to medium grained, massive, friable, rare green slicks, silty, no cut, odor or fluorescence.

3290' Rec. 1" Shale, dark brown, massive, firm-friable, no cut, odor or fluorescence.

3465' Rec. 1/2" Sand, light grey green, fine to medium grained, massive, friable, silty, tight, no cut, odor or fluorescence.

3870' Rec. 1/2" Shale, hard, dark brown, no cut, odor or fluorescence.

4072' Rec. 1" Shattered dark brown shale, slicked, no cut, odor or fluorescence.

4635' Rec. 1" Siltstone, laminated, light and dark grey, soft, finely sandy, no cut, odor or fluorescence.

4665' Rec. 1/4" Sand, oil stained, tan grey, massive, friable, fine to medium grained, somewhat silty, even yellow orange fluorescence, weak high gravity odor, pale straw cut. Fair to poor porosity and permeability.

4680' Rec. 2" Oil stained sand, tan grey, massive, friable, medium to coarse grained, somewhat silty, arkosic, high gravity odor, light tan stain, even somewhat dull yellow fluorescence, straw cut, fair porosity and permeability.

4690' Rec. 1" Sand, medium to coarse grain, massive, friable, pebbles to 1/2", light brown oil stained with mottled light grey patches. Even slightly dull yellow fluorescence. Somewhat silty. Straw cut. Sharp high gravity odor, fair porosity and permeability.
**INCLINATIONS**

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**DIVISION OF OIL AND GAS**

**RECEIVED**

**JAN 25 1955**

**SANTA PAULA, CALIFORNIA**
Core #1
2971-2981 ft Rec. 5' 5'
Described by R. M. Grivetti 11-11-54
Sand, light to medium gray, massive, firm-
frangible to hard, medium to coarse grained,
angular to subangular, arkosic, common
biotite, scattered green and pink grains;
low porosity and permeability due to well
packed matrix composed of fine angular sand
grains; rare gas bubbles on thin mud sheath;
core has fleeting sweet odor on fresh break;
looks wet; no visible oil stain or fluorescence.

Core #2
3728-3732 ft No Recovery
Described by G. T. Benson 11-17-54

Core #3
3911-3914 ft Rec. 3' 1 1/2'
Described by G. T. Benson 11-19-54
Gouge(?); dark gray-brown shale, clayey,
badly broken up, sheared and slickensided.
Silty Shale; dark gray-brown, soft to fairly
firm, silty, contains occasional fine to
medium quartzose sand grains. Sheared and
slickensided throughout in coring. No oil
stain or odor, no fluorescence. Core badly
burned in lower portion core barrel.

Core #4
4076-4091 ft Rec. 1' 1'
Described by G. T. Benson 11-20-54
Gouge: dark chocolate to dark gray-brown,
badly sheared, slickensided and broken up,
silty and finely sandy. No visible stain,
no odor, no cut color, milky yellow cut
fluorescence, rare specks bright yellow-
green fluorescence in core. No barrel
flash (core burned into barrel).

Core #5
4091-4104 ft Rec. 6' 6'
Described 11-21-54
Gouge: dark gray with brown cast to dark
gray-brown, soft, crumbly, badly broken up
sheared and slickensided, silty and locally
slightly sandy with occasional quartzose,
subangular, fine-medium sand grains. No
odor, no visible stain, no cut color or
fluorescence, rare specks green fluorescence
in core. No barrel flash, core broken up
in removal from barrel.
Core #6 4315-4331' Rec. 1' 3/4
Described by G. T. Benson 11-23-54
Gouge: Olive green and steel to dark gray, soft and stickey, sheared and broken; olive green is similar to underlying but broken up and more clayey; dark gray is very clayey; contains minor specs calcarceous material; invaded by mud; strong gassy odor, patches of dull white fluorescence (probably mineral).

Shale: Light olive green to olive green-gray, firm, massive, silty, slightly sandy with fine and very fine scattered grains quartzose sand, contains forams, few specs calcarceous material; slight gassy odor, no fluorescence.

No barrel flash.

Core #7 4673-4693' Rec. 8' 6'
Described by J. W. Vernon 11-26-54
Oil Sand with two 1/2" streaks of pebbly oil sand. Tan to light brown, most of material is very fine to fine, very friable, well sorted, surrounded to rounded, somewhat arkose and silty. Fair to good porosity and permeability. Good sharp high gravity (gasoline-like) odor, even slightly dull yellow fluorescence, cuts amber to medium brown, fluorescing somewhat milky yellow. No dips. Occasional random streaks of gray-green clay to 1-1/2" thick.

Oil stained sand, locally pebbly with pieces to 5" resulting in rough drilling of this interval. Predominantly light gray-brown oil stain with streaks of gray silty sand, medium to coarse, poor sorting, friable, subangular - surrounded, fair to poor porosity and permeability. Fairly even dull yellow fluorescence, high gravity odor dark straw to amber cuts which fluoresce somewhat milky yellow. No dips. Smells sour on bottom.

Core #8 4693-4693' Rec. 8' 3'
Dark brown, soft shale with irregular streaks light gray-green and lighter brown clay and silt. No dip.

Oil stained sand, generally pebbly but 1" interval lacking pebbles. Mottled gray-tan and light brown oil stain, massive, medium-coarse, pebbles to 1", poor sorting except in 1" interval which is fine to medium grained same staining, sharp high gravity odor throughout the core, cuts amber to medium brown, no flash but scattered bubbles on sheath. Even slightly dull yellow fluorescence. Fair porosity and permeability. Occasional streaks of light brown fault gouge.
Described by G. T. Benson 11-29-54

**Core #9**
4693-4697'  
No Recovery

Described 11-30-54
Pebby Shaley Oil Stained Sand, mottled light green and gray-white with patchy light yellow oil stain, apparently massive but core broken up, fine to medium grained with common coarse grains and small rounded pebbles to 3/8" diameter, fairly poorly sorted, subrounded, feldspatic, contains abundant green silty clay; low porosity and permeability; oil odor, dark straw to yellow-brown cut, fairly even bright yellow fluorescence, milky yellow cut fluorescence. No barrel flash.

**Core #10**
4703-4707'  
Rec. 1 1/2" 1 1/2"

Described 12-1-54
Pebby Shaley Oil Stained Sand; as in Core #10 above; gray-green with light yellow oil stain; massive, soft, friable to loose, fine to coarse grained, poorly sorted, subrounded, feldspatic, contains common rock fragments, contains minor pea green accessory minerals; contains abundant silt and green clay. At 5' below top contains 6" streak green clay with common medium and coarse subrounded, quartz sand grains. Contains common rounded pebbles and occasional cobbles to 2" diameter of quartz, hard gray shale and volcanics (?). No dips. Strong high gravity oil odor, dark straw to whiskey cut, even yellow fluorescence, milky yellow cut fluorescence. Low to fair porosity and permeability. No barrel flash or perforations on mud sheath.

**Core #11**
4707-4719'  
Rec. 12' 12'

Described 12-2-54
Pebby Oil Sand: light to medium gray green with light yellow oil stain, massive, soft, loose (broken up in coring), fine to medium grained, fairly poorly sorted, feldspatic, silty, contains common rounded pebbles to 1" diameter - usually 1/4" to 1/2" diameter of quartz, hard gray shale. No dips. Good high gravity oil odor, dark yellow to light whiskey cut. Even dull yellow with slight brownish cast fluorescence, milky yellow cut fluorescence. Barrel flashed while core being pumped out. Burned momentarily with 6" nearly invisible orange flame.

**Core #12**
4719-4721'  
No Recovery

**Core #13**
4765-4777'  
Rec. 7' 7'

DIVISION OF OIL AND GAS  
RECEIVED  
JAN 25 1955  
SANTA PAULA, CALIFORNIA
Core #14
4777-4790' Rec. 6' 6' 6'

Pebbly Oil Sand: medium gray-green, massive, soft to loose, medium grained, fairly poorly sorted, grains subangular to subrounded, quartzose, feldspathic, rare pale green and orange accessory minerals, contains abundant interstitial silt and common bits green clay; contains common pebbles of quartz, dark gray silty shale and hard possibly igneous rock medium gray with green cast; pebbles commonly small, rarely to 1½" diameter, subrounded to rounded. Fair to low porosity and permeability. No dips. Paint yellow oil stain, fair high gravity oil odor, dark straw cut, even dull yellow fluorescence, milky yellow cut fluorescence. No barrel Flash.
Report on Test of Water Shut-off
(FORMATION TESTER)

No. 254-428

R. L. Patton
Post Office Box 510
Santa Paula, California
The Texas Company

Mr. Harmon reported:
1. A 16" hole was drilled from the surface to 201'.
2. On October 23, 1954, 11 3/4", 54 lb. casing was cemented at 201' with 160 sacks of cement.
3. Cement returned to the surface.
4. A 9 7/8" hole was drilled from 201' to 2970'.
5. On Nov. 2, 1954, the well blew out while pulling the drill pipe from 2970'.
6. The report of this blowout in detail is found on Form 136, File #45-6.
7. After controlling the blowout, drilling was resumed.
8. A 9 7/8" hole was drilled from 2970' to 4703'; an 8 1/2" hole was drilled from 4703' to 4790' (present depth).
9. On Dec. 4, 1954, 7", 23 lb. casing was cemented at 4653' and through a cementing device at 2592' with 180 sacks of cement and 295 sacks of cement, respectively, calculated to fill behind the casing to 3843' and 1264', respectively, below the surface.
10. The 7" casing was perforated with four, 3/4" holes at 1825'.
11. On Dec. 5, 1954, the 7" casing was recemented through shot holes at 1825' with 650 sacks of cement, all of which was forced away under a final pressure of 1000 Psi.
12. The 7" casing was perforated with four, 3/4" holes at 4350'.
13. A Halliburton gun and tester was run into the hole on 3 1/2" drill pipe and packer set at 4346', with tailpiece to 4367'.

E. H. MUSSE
State Oil and Gas Supervisor

By........................................, Deputy
14. The tester valve was opened at 4:15 a.m. and remained open for 1 hour and 0 min. During this interval there was a medium blow for 2 min., dead for 1 min., medium blow for 20 min., dead for 22 min., followed by a light blow for the remainder of the test.

The Engineer noted:

1. When the drill pipe was removed, 1592' of very thick, gassy drilling fluid was in the drill pipe above the tester, equivalent to 11.8 bbl.
2. The recording pressure bomb charts indicated the tester functioned properly.

The operator decided to recement.

The Engineer visited the well on December 11, 1954, and Mr. French reported:

1. The 7" casing was recemented as noted above.
2. The 7" casing was perforated with four, ½" holes at 4349'.
3. A Halliburton gun and tester was run as noted above.

The Engineer noted:

1. When the drill pipe was removed, 150' of light drilling fluid was in the drill pipe above the tester, equivalent to 1.1 bbl.
2. The recording pressure bomb charts indicated the tester functioned properly.

THE SHUT-OFF AT 4349' IS APPROVED.

CC: T W Bell
A preliminary report of the gas blow-out occurring at the "Elkins" #8 well was made on November 3, 1954. The following is a resume of this blow-out.

With 201 feet of 11 3/4" casing cemented in the hole and 200 feet of drill collars and bit in the hole, the well blew out at 5:30 p.m. on November 2, 1954. The blow-out preventer was closed around the drill collars and 100 barrels of 78 lbs. per cu. ft. of mud was pumped into the hole. Pressures built up to 200 Psi. When the well was shut in by 6:30 p.m., gas started bubbling up at several spots around the rig and by 7:30 p.m. gas and drilling mud broke out at the surface at five places from 25 to 200 feet from the well site. On November 3, a total of 3,160 sacks of cement mixed with 170 sacks of Calseal, plus 300 bbls. of 90 lbs. per cu. ft. mud was pumped into the hole instages. These operations sealed off all of the gas and mud leaks at the surface and set cement was located in the well at 94 feet.

From November 4 to 8, 1954, the hole was cleaned out to 1400 feet. Numerous cement and sand bridges were cleaned out from 94 to 857 feet. Other gas blowouts occurred as the bit passed through some of these bridges. Mud weights up to 112 lbs. per cu. ft. were used to control these blow-outs. No bridges were found from 857 to 1200 feet. The strongest gas blow occurred after drilling through a cement bridge at 320 feet. Although this flow of gas was not measured, it was estimated to be at a rate of 300 Mcf. per day.

As of 7:00 a.m., November 10, 1954, the hole had been cleaned out to 2842 feet. Much sand was found in the hole below 2025 feet and great care is being exercised in mudding the hole and keeping the mud weight up. The well appears to be under complete control and there has been no further seepage at the surface of the ground at points around the derrick.

The company plan to clean out to 2970 feet, the total depth, then to take a core and run an electrical log. Depending on the information gained from this core and the log, a decision will be made whether to abandon the well or to drill ahead.
Dear Sir:

Your proposal to drill Well No. "Elkins" 8, Section 6, T. 3 N., R. 19 W. S.B., Shiells Canyon Field, Ventura County, dated Oct. 4, 1954, 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:**
"Location of Well: 135' N. along section line and 240' W. at right angles to said line from the east corner of section 6.
Elevation of ground above sea level 567'.
All depth measurements taken from top of KB which is 12'3" above ground."

**PROPOSAL:**

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Intended zone or zones of completion: Shiells Intermediate

**DECISION:** THE PROPOSAL IS APPROVED PROVIDED THAT:
1. The 11 3/4" 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. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the 7" water shut-off with the hole open not more than 5' below the casing shoe.

Blanket Bond

CC: T. W. Bell

E. H. MUSSER
State Oil and Gas Supervisor

SHR

By: [Signature] Deputy
Notice of Intention to Drill New Well

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

Santa Paula, Calif. October 4, 1954

DIVISION OF OIL AND GAS

In compliance with Section 1203, 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 #8, Sec. 6, T. 3N, R. 19W, S.B. B. & M., Shiells Canyon Field, Ventura County.

Legal description of lease

(Attach map or plat to scale)

Location of Well: 135 feet North along section line and 240 feet West at right angles to said line from the east 1/4 corner of section 6.

Elevation of ground above sea level 567 feet datum.

All depth measurements taken from top of KB (Derrick Floor, Rotary Table or Kelly Bushing) which is 12± feet above ground.

PROPOSED CASING PROGRAM

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<tr>
<td>11 3/4&quot;</td>
<td>42#</td>
<td>J-55</td>
<td>Surf</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>7&quot;</td>
<td>23#</td>
<td>J-55</td>
<td>Surf</td>
<td>2500</td>
<td>1920</td>
</tr>
</tbody>
</table>

Intended zone or zones of completion: Shiells Intermediate 2500'

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

Address: Box 310
Telephone Number: 6-E

The Texas Company

By: P.O. Giddens, Dist. Petr. Engineer

Send one copy of notice to Division Office in District where well is located.