

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION**

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APPLICATION OF OCCIDENTAL PERMIAN LIMITED PARTNERSHIP TO AMEND ORDERS R-4934 AND R-4934-E GOVERNING THE SOUTH HOBBS GRAYBURG-SAN ANDRES PRESSURE MAINTENANCE PROJECT TO ALLOW THE INJECTION OF CARBON DIOXIDE AND PRODUCED GASES, TO MODIFY THE SURFACE INJECTION PRESSURE, TO OBTAIN OTHER RELIEF, AND TO QUALIFY THIS EXPANSION FOR THE RECOVERED OIL TAX RATE PURSUANT TO THE NEW MEXICO ENHANCED OIL RECOVERY ACT, LEA COUNTY, NEW MEXICO.

CASE NO. 14981

APPLICATION

OCCIDENTAL PERMIAN Ltd ("OXY") applies to the New Mexico Oil Conservation Commission to amend Division Orders R-4934 and R-4934-E, governing its South Hobbs Grayburg-San Andres Pressure Maintenance Project ("South Hobbs Project Area") through the complete Form C-108 and Area of Review, submitted herewith, and as follows:

- (a) to expand the injection authority provided by Order R-4934 from a water injection secondary recovery project to a tertiary recovery project involving the injection of carbon dioxide (CO₂), and the reinjection of produced CO₂, water and gases including methane, natural gas liquids and hydrogen sulfide (H₂S);
- (b) to modify the surface injection pressure limit authorized by Rule 11 of the Special Rules and Regulations (amended by Order R-4934-E) to provide for a surface injection pressure limit for CO₂, produced gases and water based on friction pressure losses down the tubing and the lower density of gas as compared to water;
- (c) to increase the limiting gas-oil ratio above that allowed by NMAC 19.15.20.13 to 75,000 cubic feet of gas per barrel of oil produced;
- (d) to allow an exception to the one-year commencement of injection required by NMAC 19.15.26.12.C for the South Hobbs Project Area;

- (e) to provide that for any injection well covered by this application in which injection operations commence more than 5 years after approval of this request, that OXY submit a statement that there have been no substantive changes to the area-of-review information submitted with this Application, or a statement describing any substantive changes;
- (f) to provide a five-year frequency for the mechanical integrity tests required for temporarily-abandoned wells that are equipped with real-time pressure monitoring devices pursuant to NMAC 19.15.25.13.E;
- (g) to modify the packer setting depth required by Rule 10 of the Special Rules to allow for the packer to be set anywhere above the uppermost injection perforations or casing shoe, provided the packer is set below the top of the Grayburg Formation;
- (h) to remove the requirement in Rule 15 of the Special Rules that a cement bond log be run prior to placing a well on injection or any time the rods and/or tubing are pulled from any producing well;
- (i) to allow for the administrative approval of additional injection wells into the Grayburg and San Andres formations underlying the South Hobbs Project Area pursuant to Rule 8 of the Special Rules; and
- (j) to qualify this expansion of injection authority for the recovered oil tax rate pursuant to the New Mexico Enhanced Oil Recovery Act (Laws 1992, Chapter 38, Sections 1 through 5).

In support of this application, OXY states:

1. Upon the application of Amoco Production Company, the Commission in December of 1974 issued Order R-4934 authorizing the company to institute a pressure maintenance project in the South Hobbs Project Area by the injection of water into the Grayburg and San Andres formations through 40 initial injection wells. This same order also adopted Special Rules and Regulations governing this pressure maintenance project.
2. Through various orders, additional injection wells have been approved for the South Hobbs Project Area.

3. In May of 1984, upon the application of Amoco, the Division issued Order R-4934-E that amended the Special Rules and Regulations governing the South Hobbs Project Area to what they are currently today.

4. OXY is the current operator of the South Hobbs Project Area which consists of the following acreage in Lea County, New Mexico:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM

Section 33: SE/4 SE/4

Section 34: SW/4 & W/2NW/4*

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM

Section 3, 4, and 5: All

Section 6: N/2 and SE/4

Section 8: N/2NW/4, E/2NE/4 & N/2SE/4*

Section 9: N/2, N/2 SW/4, and SE/4

Section 10: All

Section 11: SW/4 SW/4

Section 14: W/2 NW/4

Section 15: All

Section 16: NE/4 NE/4

* Note that Order R-4934-E incorrectly describes the acreage within the South Hobbs Project Area in these particular sections.

5. The South Hobbs Project Area is currently producing 1080 BOPD and 120,000 BWPD from 70 active producers and 69 active injection wells. Total oil production from the Unit as of March 2013 has been 94.5 MMBLs. Under the current secondary recovery project, ultimate secondary oil recovery is estimated to be 51 MMBBLs.

6. OXY seeks to convert this secondary recovery project to a tertiary recovery project through the following changes in the process for displacement and recovery of crude oil:

- (a) By the injection of carbon dioxide gas ("CO₂") in addition to water;
- (b) By the re-injection of produced water and gases from the project area, including CO₂, natural gas liquids, methane and H₂S;

7. The estimated amount of additional recoverable oil attributable to these changes is estimated to be 33.25 MMBLs.

8. Rule 11 of the Special Rules currently limits the surface injection pressure to no more than 0.2 psi per foot of depth to the injection zone. *See* Order R-4934-E.

9. In 2008, OXY conducted nine step-rate tests on representative wells within the South Hobbs Unit Area and submitted the results to the Division in April of 2009. These tests demonstrated an average bottom hole parting pressure of 2732 psig for the injection formations.

10. OXY proposes to operate at different maximum surface injection pressures based upon the substances injected and the rate of injection that will not exceed the bottom hole parting pressure. Higher surface injection pressures than what is currently allowed by Rule 11 of the Special Rules are necessary because of significant friction pressure losses down the tubing, the lighter density of gas as compared to water, and to attain the injection rates necessary to make this project economically viable.

11. OXY requests authority to inject up to the following maximum surface injection pressures for the following substances:

CO2 only injection:	1250 psi
Water injection:	1100 psi
Produced gas injection:	1770 psi

The Division has previously approved the water injection pressure limitation for the South Hobbs Project Area under Order IPI-340 (entered April 29, 2009) and approved these different maximum surface injection pressures for CO2 and produced gases in the adjacent North Hobbs Unit tertiary recovery project. *See* Order Order R-6199-B (entered October 22, 2001).¹

12. Division Rule 19.15.20.13 currently limits the gas-oil ratio for non-allocated pools to 2000 cubic feet of gas per barrel of oil produced. In order to efficiently and effectively

¹ Division Order IPI-340 mistakenly cites to Rule 15 of Order R-4934 rather than Rule 11 of Order R-4934-E.

operate this proposed tertiary recovery project, it is necessary to increase the gas-oil ratio to 75,000 cubic feet of gas per barrel of oil produced.

13. Due to the facility costs and the timing associated with the change from a secondary recovery operation to a tertiary recovery project, OXY needs an exception from NMAC 19.15.26.12.C, which requires actual injection to occur within one (1) year of approval.

14. The injection of purchased CO₂ and the re-injection of produced water and gases in the South Hobbs Project Area will be phased-in over time as facilities are brought on line, wells are drilled, and lines are replaced. Accordingly, some injection wells covered by this request may not commence injection for several years.

15. To avoid unnecessary review of the same data submitted in this Application, primarily the area-of-review data, OXY requests that for any injection well covered by this Application in which injection operations commence more than 5 years after approval of this request, OXY will submit a statement that there have been no substantive changes to the area-of-review information or a statement describing any substantive changes to the area-of-review information submitted with this Application.

16. Division Rule 19.15.25.13.E currently provides that the approval of a well for temporary abandonment shall “be no more than five years.” This has resulted in circumstances within the South Hobbs Project Area where the approval for temporary abandonment of a well has been less than five years, thereby requiring more frequent mechanical integrity tests on these wellbores.

17. OXY plans to install pressure monitoring devices on all wells subject to temporary abandonment that will immediately alert the company to any changes in pressure within the wellbores. Because of this real-time monitoring, OXY requests the Commission

provide that the temporary abandonment period for any wells equipped with these real-time pressure monitoring devices shall be for the full five years allowed by NMAC 19.15.25.13.E.

18. Rule 10 of the Special Rules and Regulation for the South Hobbs Project Area requires the packer for water injection to be “set as near as practicable to the uppermost perforation or, in the case of an open hole completion, to the casing shoe.”

19. The Division has previously recognized that packers set “more than 100 feet above the uppermost perforation or casing shoe will not cause waste, impair correlative rights or endanger public health or the environment so long as the packer in each well is set below the top of the Unitized Formation.” *See* Order R-5897-A (entered May 30, 2012).

20. OXY requests that the Commission modify Rule 10 of the Special Rules and Regulations of the South Hobbs Project Area to allow for the packer to be set anywhere above the uppermost injection perforations or casing shoe, provided the packer is set below the top of the Grayburg Formation.

21. Rule 15 of the Special Rules and Regulations of the South Hobbs Project Area was adopted in 1974 under R-4934 and requires a cement bond log to be run prior to placing a well on injection or any time the rods and/or tubing are pulled from any producing well.

22. Sufficient history of cementing and bond logging exists in the South Hobbs Project Area and the adjacent OXY-operated North Hobbs Grayburg-San Andres Unit to provide a sufficient level of assurance that the injection of fluids are being confined to permitted intervals. By virtue of the authorization of the CO₂ injection into the adjacent North Hobbs Grayburg-San Andres Unit and the periodic expansion of water injection in the South Hobbs Project Area, all wellbores in the area have been analyzed for wellbore integrity and any problem wells within ½ mile of any injector have been identified and corrected.

23. OXY requests that Rule 15 be eliminated. Compliance with Rule 15 is costly and unnecessary. Elimination of Rule 15 of the Special Rules will not cause waste, will not impair correlative rights, and is in the best interests of conservation of oil and gas.

24. Rule 8 of the Special Rules and Regulation for the South Hobbs Project Area provides that applications for additional injection wells in the Project Area may be approved administratively by the Division Director. OXY requests that this authority continue for its tertiary recovery project.

25. In accordance with the Rules and Procedures For Qualifications Of Enhanced Oil Recovery Projects And Certification For The Recovered Oil Tax Rate adopted under Division Order R-9708, the following is submitted with this Application:

- a. Operator's name and address:

Occidental Permian Ltd.
5 Greenway Plaza, Suite 110
Houston, Texas 77046

- b. Description of the Project Area:

(1) **Exhibit A** is a plat outlining the Project Area.

(2) Legal description of the Project Area:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM

Section 33: SE/4 SE/4

Section 34: SW/4 & W/2NW/4

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM

Section 3, 4, and 5: All

Section 6: N/2 and SE/4

Section 8: N/2NW/4, E/2NE/4 & N/2SE/4

Section 9: N/2, N/2 SW/4, and SE/4

Section 10: All

Section 11: SW/4 SW/4

Section 14: W/2 NW/4

Section 15: All

Section 16: NE/4 NE/4

- (3) Total acres in the Project Area:
4920 acres, more or less
 - (4) Name of the subject Pool and formation:
Hobbs Grayburg-San Andres Pool (31920)
Grayburg and San Andres Formations
- c. Status of operations in the project area:
- (1) Unit name and plan of operation:
South Hobbs Grayburg-San Andres Pressure Maintenance Project
Order R-4934 (issued December 1974) and R-4934-E (issued May 1984)
 - (2) (If an application has been made for approval of a unit plan) N/A
 - (3) (If not unitized, identify each lease in project area) N/A
- d. Method of recovery to be used:
- (1) A tertiary recovery process involving the application of a carbon dioxide miscible fluid displacement mechanism. Fluids to be injected include produced water, carbon dioxide, and produced gases including methane, natural gas liquids and H₂S
 - (2) South Hobbs Grayburg-San Andres Pressure Maintenance Project
Approved by Order R-4934, issued December 3, 1974
Governing Rules Amended by R-4934-E, issued May 21, 1984
 - (3) (If the project has not been approved) N/A
- e. Description of the Project:
- (1) **Exhibit B** is a current list of producing wells
 - (2) **Exhibit C** is a current list of injection wells
 - (3) Capital cost of additional facilities: \$246 million
 - (4) Total Project Capital Costs: \$ 312 million
 - (5) Estimated total value of the additional production that will be recovered as a result of this tertiary recovery project:

An additional 33.2 mmbbls of oil at a gross revenue estimated at \$2.8 billion over the life of the project (approximately 40 years).

- (6) Anticipated date of commencement of injection:

Third quarter of 2015

- (7) The type of fluid to be injected and the anticipated volumes:

Water at 115,000 BWPD;
CO2 at 45 MMCFD; and
Re-injection of CO2 and produced gases at 75 MMCFD.

- (8) Explanation of changes in technology:

This is a miscible carbon dioxide flood following a waterflood. CO2 flooding is an advanced technology used to boost production from mature oil and gas reservoirs. CO2 flooding helps to increase production by removing trapped oil from porous rock in the reservoirs. The process will involve injecting CO2 and produced water and gas to recover additional oil which would otherwise be left behind in the reservoir.

- f. Production data:

Exhibit D is a historical production graph and production forecast of oil, gas, casinghead gas and water.

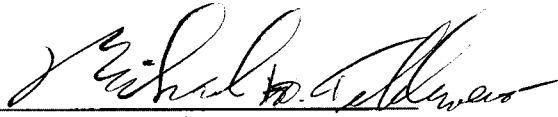
26. The proposed tertiary recovery techniques should result in an increase in the amount of crude oil that may be ultimately recovered, the project area has been depleted to the point where it is prudent to apply tertiary recovery techniques to maximize the ultimate recovery of crude oil, and this application is economically and technically reasonable and has not been prematurely filed.

27. Notice of this application has been provided as required by Division rules.

28. Approval of this application is in the best interests of conservation, the prevention of waste and the protection of correlative rights.

Respectfully submitted,

HOLLAND & HART, LLP

By: 

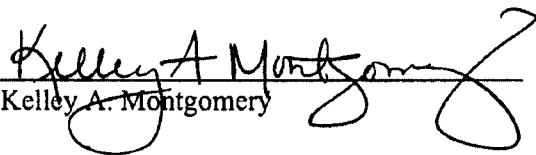
Michael H. Feldewert
Adam G. Rankin
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(505) 983-6043 Facsimile

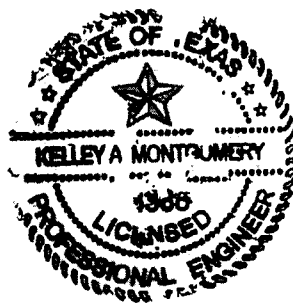
ATTORNEYS FOR
OCCIDENTAL PERMIAN LTD

CERTIFICATION

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

I, Kelley A. Montgomery, having been first duly sworn, state that I am a professional engineer, a duly authorized representative of Occidental Permian Limited Partnership ("OXY"), have knowledge of the facts herein and therefore certify that the facts set forth in this Application are true and accurate to the best of my own knowledge and belief.


Kelley A. Montgomery



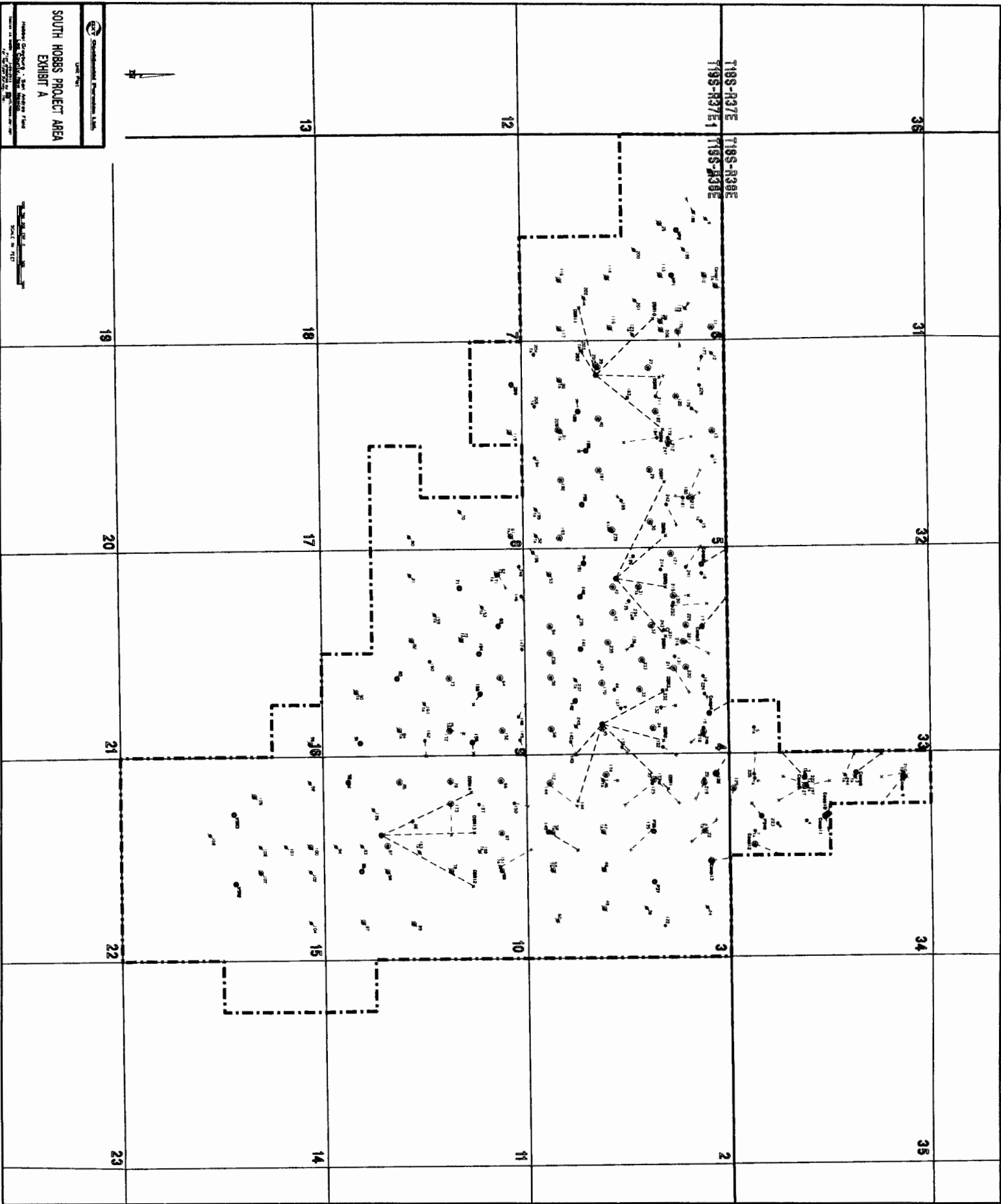


Exhibit B
South Hobbs Unit
Current List of Producing Wells

Well Name	API Number	Well Status	Well Type
SHOU-122E04	3002526117	ACTIVE	Oil Producer
SHOU-124J04	3002526119	ACTIVE	Oil Producer
SHOU-125L03	3002526120	ACTIVE	Oil Producer
SHOU-130F04	3002528334	ACTIVE	Oil Producer
SHOU-131G04	3002528335	ACTIVE	Oil Producer
SHOU-132H04	3002528336	ACTIVE	Oil Producer
SHOU-133E03	3002528337	ACTIVE	Oil Producer
SHOU-135F04	3002528338	ACTIVE	Oil Producer
SHOU-136F04	3002528339	ACTIVE	Oil Producer
SHOU-137I04	3002528340	ACTIVE	Oil Producer
SHOU-138I04	3002528341	ACTIVE	Oil Producer
SHOU-139F03	3002538342	ACTIVE	Oil Producer
SHOU-140L04	3002528343	ACTIVE	Oil Producer
SHOU-141K04	3002538344	ACTIVE	Oil Producer
SHOU-142O04	3002528345	ACTIVE	Oil Producer
SHOU-143P04	3002528346	ACTIVE	Oil Producer
SHOU-144N03	3002528347	ACTIVE	Oil Producer
SHOU-145K03	3002528348	ACTIVE	Oil Producer
SHOU-146D09	3002528349	ACTIVE	Oil Producer
SHOU-147C09	3002528350	ACTIVE	Oil Producer
SHOU-148A09	3002528351	ACTIVE	Oil Producer
SHOU-149A09	3002528352	ACTIVE	Oil Producer
SHOU-14B05	3002507614	ACTIVE	Oil Producer
SHOU-150M03	3002528353	ACTIVE	Oil Producer
SHOU-153C09	3002528356	ACTIVE	Oil Producer
SHOU-154B09	3002528357	ACTIVE	Oil Producer
SHOU-155H09	3002528358	ACTIVE	Oil Producer
SHOU-156H09	3002528359	ACTIVE	Oil Producer
SHOU-157D10	3002528360	ACTIVE	Oil Producer
SHOU-160G09	3002528363	ACTIVE	Oil Producer
SHOU-162H09	3002528365	ACTIVE	Oil Producer
SHOU-16D04	3002507605	ACTIVE	Oil Producer
SHOU-177D05	3002528975	ACTIVE	Oil Producer
SHOU-178C05	3002528976	ACTIVE	Oil Producer
SHOU-179F05	3002528977	ACTIVE	Oil Producer
SHOU-17C04	3002512768	ACTIVE	Oil Producer
SHOU-180B05	3002528978	ACTIVE	Oil Producer
SHOU-181B05	3002528979	ACTIVE	Oil Producer
SHOU-183E05	3002528980	ACTIVE	Oil Producer
SHOU-184F05	3002529083	ACTIVE	Oil Producer
SHOU-185I05	3002529084	ACTIVE	Oil Producer
SHOU-186E04	3002528981	ACTIVE	Oil Producer
SHOU-188K05	3002528982	ACTIVE	Oil Producer
SHOU-189J05	3002529085	ACTIVE	Oil Producer
SHOU-18B04	3002507629	ACTIVE	Oil Producer
SHOU-190I05	3002529082	ACTIVE	Oil Producer
SHOU-191L04	3002528983	ACTIVE	Oil Producer
SHOU-194O05	3002529054	ACTIVE	Oil Producer
SHOU-19A04	3002507598	ACTIVE	Oil Producer
SHOU-20D03	3002507603	ACTIVE	Oil Producer
SHOU-211E05	3002529750	ACTIVE	Oil Producer
SHOU-214E04	3002529730	ACTIVE	Oil Producer
SHOU-220C04	3002529891	ACTIVE	Oil Producer
SHOU-221B04	3002529892	ACTIVE	Oil Producer
SHOU-223N34	3002530486	ACTIVE	Oil Producer
SHOU-224B04	3002530487	ACTIVE	Oil Producer

Exhibit B
South Hobbs Unit
Current List of Producing Wells

Well Name	API Number	Well Status	Well Type
SHOU-225M34	3002531211	ACTIVE	Oil Producer
SHOU-228D05	3002531212	ACTIVE	Oil Producer
SHOU-231F04	3002531427	ACTIVE	Oil Producer
SHOU-232G04	3002531419	ACTIVE	Oil Producer
SHOU-236K04	3002531429	ACTIVE	Oil Producer
SHOU-240	3002535342	ACTIVE	Oil Producer
SHOU-241	3002535318	ACTIVE	Oil Producer
SHOU-242	3002535305	ACTIVE	Oil Producer
SHOU-243	3002537266	ACTIVE	Oil Producer
SHOU-246	3002537271	ACTIVE	Oil Producer
SHOU-248	3002539955	ACTIVE	Oil Producer
SHOU-44J04	3002507602	ACTIVE	Oil Producer
SHOU-4K34	3002507570	ACTIVE	Oil Producer
SHOU-86K10	3002523415	ACTIVE	Oil Producer

Exhibit C
South Hobbs Unit
Current List of Injection Wells

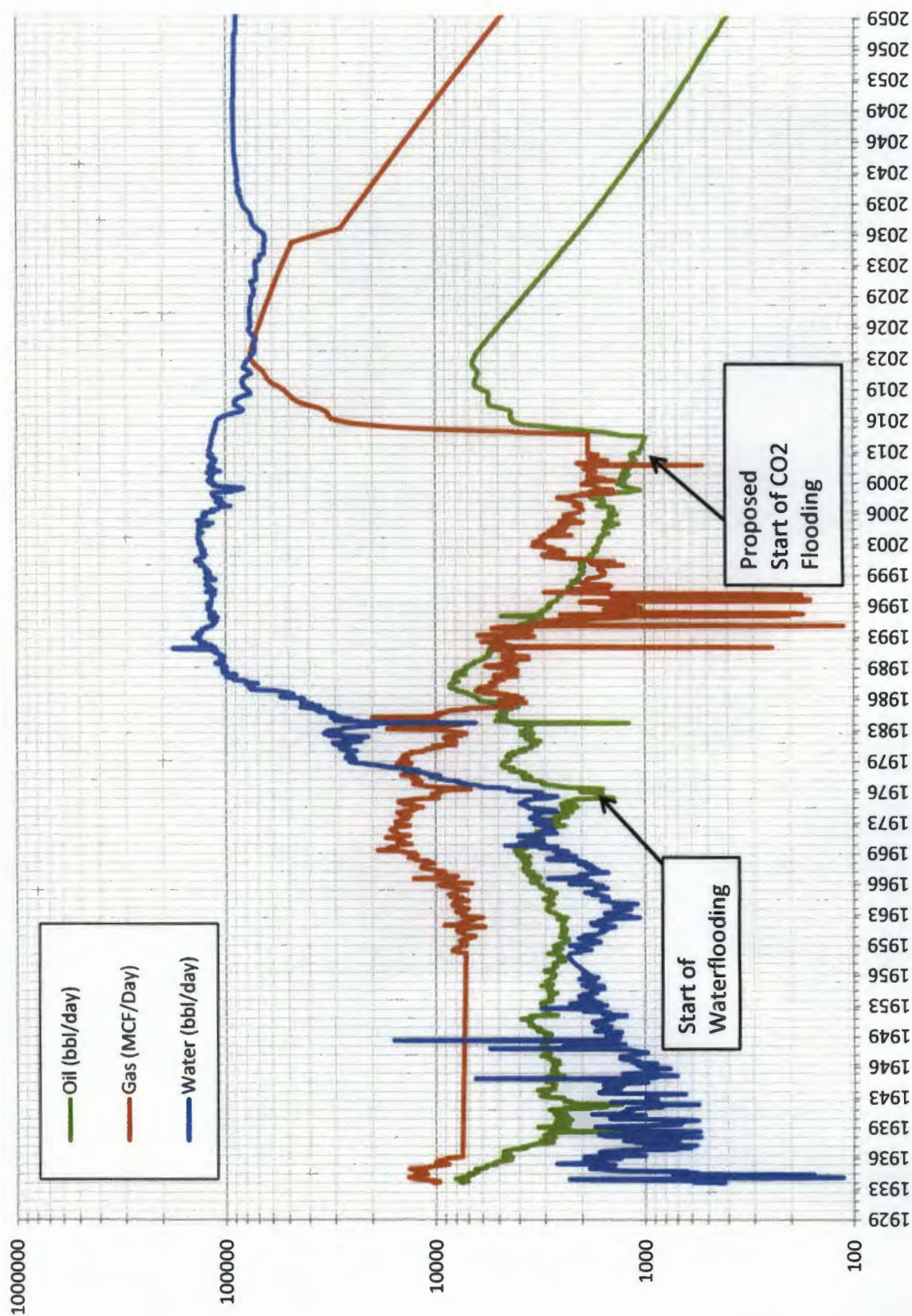
Well Name	API Number	Well Status	Well Type
SHOU-112M03	3002525127	ACTIVE	Injector
SHOU-11A06	3002507635	ACTIVE	Injector
SHOU-120C05	3002526115	ACTIVE	Injector
SHOU-121E04	3002526116	ACTIVE	Injector
SHOU-127M34	3002528331	ACTIVE	Injector
SHOU-128P03	3002528332	ACTIVE	Injector
SHOU-129N34	3002528333	ACTIVE	Injector
SHOU-13C05	3002507624	ACTIVE	Injector
SHOU-152A09	3002528355	ACTIVE	Injector
SHOU-170J04A	3002526623	ACTIVE	Injector
SHOU-172H09	3002528543	ACTIVE	Injector
SHOU-173E10	3002528733	ACTIVE	Injector
SHOU-174L03A	3002526622	ACTIVE	Injector
SHOU-176D05	3002528974	ACTIVE	Injector
SHOU-182F05B	3002527628	ACTIVE	Injector
SHOU-187J05	3002507621	ACTIVE	Injector
SHOU-192O05	3002524447	ACTIVE	Injector
SHOU-193P05	3002528984	ACTIVE	Injector
SHOU-207L05	3002529520	ACTIVE	Injector
SHOU-208N05	3002529521	ACTIVE	Injector
SHOU-209D08	3002529522	ACTIVE	Injector
SHOU-212F05	3002529751	ACTIVE	Injector
SHOU-213A05	3002529752	ACTIVE	Injector
SHOU-215E04	3002529753	ACTIVE	Injector
SHOU-216C04	3002529754	ACTIVE	Injector
SHOU-217B04	3002529755	ACTIVE	Injector
SHOU-218A04	3002529756	ACTIVE	Injector
SHOU-219D03	3002529757	ACTIVE	Injector
SHOU-229C04	3002531420	ACTIVE	Injector
SHOU-22C03	3002507587	ACTIVE	Injector
SHOU-230B04	3002531421	ACTIVE	Injector
SHOU-233G04	3002531422	ACTIVE	Injector
SHOU-235K04	3002531423	ACTIVE	Injector
SHOU-238O04	3002531424	ACTIVE	Injector
SHOU-239	3002534946	ACTIVE	Injector
SHOU-29G05	3002507620	ACTIVE	Injector
SHOU-30H05	3002507613	ACTIVE	Injector
SHOU-32F04	3002507610	ACTIVE	Injector
SHOU-33G04	3002507600	ACTIVE	Injector
SHOU-34H04	3002507599	ACTIVE	Injector
SHOU-35E03	3002507589	ACTIVE	Injector
SHOU-36F03	3002507588	ACTIVE	Injector
SHOU-39L05	3002507634	ACTIVE	Injector
SHOU-40K05	3002507623	ACTIVE	Injector
SHOU-42L04	3002512514	ACTIVE	Injector
SHOU-43K04	3002507601	ACTIVE	Injector
SHOU-45I04	3002507607	ACTIVE	Injector
SHOU-54N04	3002507608	ACTIVE	Injector
SHOU-55O04	3002507611	ACTIVE	Injector
SHOU-56P04	3002507609	ACTIVE	Injector
SHOU-63C09	3002507662	ACTIVE	Injector
SHOU-64B09	3002507669	ACTIVE	Injector

Exhibit C
South Hobbs Unit
Current List of Injection Wells

Well Name	API Number	Well Status	Well Type
SHOU-66D10	3002507672	ACTIVE	Injector
SHOU-67C10	3002507676	ACTIVE	Injector
SHOU-73G09	3002507671	ACTIVE	Injector
SHOU-76E10	3002507678	ACTIVE	Injector
SHOU-85L10	3002507675	ACTIVE	Injector
SHOU-87K10	3002512765	ACTIVE	Injector
SHOU-W27E05	3002507631	ACTIVE	Injector
SHUCOOP-10	3002528969	ACTIVE	Injector
SHUCOOP-11	3002528970	ACTIVE	Injector
SHUCOOP-12	3002528971	ACTIVE	Injector
SHUCOOP-13	3002528972	ACTIVE	Injector
SHUCOOP-2	3002528305	ACTIVE	Injector
SHUCOOP-3	3002528306	ACTIVE	Injector
SHUCOOP-4	3002528307	ACTIVE	Injector
SHUCOOP-5	3002528308	ACTIVE	Injector
SHUCOOP-6	3002528309	ACTIVE	Injector
SHUCOOP-9	3002528968	ACTIVE	Injector

South Hobbs Unit Production – Historical and Forecast

Exhibit D



C-108

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ Yes ☐ No
- II. OPERATOR: OCCIDENTAL PERMIAN LTD.
ADDRESS: P.O. BOX 4294 HOUSTON, TX 77210
CONTACT PARTY: KELLEY MONTGOMERY (OXY) PHONE: 713-366-5716
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ Yes ☐ No
If yes, give the Division order number authorizing the project: R-4934
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: KELLEY MONTGOMERY TITLE: REGULATORY CONSULTANT

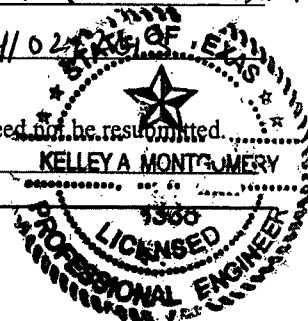
SIGNATURE: Kelley A Montgomery DATE: 04/02/04

E-MAIL ADDRESS: KELLEY_MONTGOMERY@OXY.COM

If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.

Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office



C-108 Application
Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea County, New Mexico

- I. This is a pressure maintenance project.
- II. Occidental Permian Ltd. (157984)
P.O. Box 4294
Houston, TX 77210
Contact Party: Kelley Montgomery, (Oxy) 713-366-5716
- III. Injection well data sheets/wellbore schematic diagrams have been attached for each injection well covered by this application. The well information has also been summarized in tabular form.
- IV. This project is an expansion of an existing waterflood project to include the injection of CO₂ and produced CO₂.
- V. Two maps are attached. The South Hobbs (Grayburg San Andres) unit Area of Review Map shows all wells within 2 miles of any proposed injection well. A second map identifies all leases within 2 miles of any proposed injection well.

A separate map with a ½ mile radius circle drawn around each proposed injection well has been included in the Area of Review binder.
- VI. The area of review is attached in a separate binder. If cement tops were not available, the top of cement was calculated using 1.32 cubic feet/sack of cement and 70% fill.
- VII.
 1. Attached in Application
 2. This will be a closed system.
 3. Attached in Application
 4. NA
 5. NA
- VIII. See attached signed statement on geologic data for the Grayburg and San Andres formations.
- IX. Acid treatment of injection interval may be performed during well workover (approximately 4000 gal. of 15% HCL)

- X. Logs were filed for the existing wells at the time of drilling. Logs will be filed on all newly drilled wells in the project as they are drilled.
- XI. Attached are two water analyses from fresh water wells located in Section 8, T-19S, R-38E and in Section 5, T-19S, R-38E.
- XII. NA. This is a pressure maintenance project, not a disposal well.
- XIII. Proof of notice is included.

**(II. InjectionData
Sheets**

List of Injectors in South Hobbs Unit Project

53 Total Injectors

Vo.	API Number	Section	Unit Letter	Township & Range	Footage Location	Proposed Injectants Purchased CO2/Water or Produced Gas/CO2/Water	Current Status
SHU 128	30-025-28332	3	D	19-S ; 38-E	335 FNL & 520 FWL	Purchased CO2/Water	Active Injector
SHU 240	30-025-35342	34	M	18-S ; 38-E	571 FSL & 1302 FWL	Purchased CO2/Water	Active Producer
SHU 36	30-025-07588	3	F	19-S ; 38-E	1980 FNL & 1980 FWL	Purchased CO2/Water	Active Injector
SHU 37	30-025-07584	3	G	19-S ; 38-E	1980' FNL & 2310' FEL	Purchased CO2/Water	P&A'd Injector
SHU 188	30-025-28982	5	K	19-S ; 38-E	1493 FSL & 1802 FWL	Produced Gas/CO2/Water	Active Producer
SHU 189	30-025-29085	5	J	19-S ; 38-E	1685 FSL & 2475 FEL	Produced Gas/CO2/Water	Active Producer
SHU 190	30-025-29082	5	I	19-S ; 38-E	1568 FSL & 1105 FEL	Produced Gas/CO2/Water	Active Producer
SHU 191	30-025-28983	4	L	19-S ; 38-E	1585 FSL & 395 FWL	Produced Gas/CO2/Water	Active Producer
SHU 140	30-025-28343	4	L	19-S ; 38-E	1485 FSL & 1245 FWL	Produced Gas/CO2/Water	Active Producer
SHU 141	30-025-28344	4	K	19-S ; 38-E	1478 FSL & 2595 FWL	Produced Gas/CO2/Water	Active Producer
SHU 142	30-025-28345	4	O	19-S ; 38-E	1310 FSL & 1370 FEL	Produced Gas/CO2/Water	Active Producer
SHU 145	30-025-28348	3	N	19-S ; 38-E	577 FSL & 1984 FWL	Purchased CO2/Water	Active Producer
SHU 71	30-025-07670	9	E	19-S ; 38-E	1650 FNL & 990 FWL	Produced Gas/CO2/Water	TA'd Injector
SHU 63	30-025-07662	9	C	19-S ; 38-E	660 FNL & 1980 FWL	Produced Gas/CO2/Water	Active Injector
SHU 154	30-025-28357	9	B	19-S ; 38-E	1163 FNL & 2600 FEL	Produced Gas/CO2/Water	Active Producer
SHU 155	30-025-28358	9	B	19-S ; 38-E	1158 FNL & 1568 FEL	Produced Gas/CO2/Water	Active Producer
SHU 156	30-025-28359	9	H	19-S ; 38-E	1370 FNL & 330 FEL	Produced Gas/CO2/Water	Active Producer
SHU 83	30-025-07668	9	J	19-S ; 38-E	1980 FSL & 1980 FEL	Produced Gas/CO2/Water	TA'd Injector
SHU 91	30-025-20047	9	P	19-S ; 38-E	990 FSL & 330 FEL	Produced Gas/CO2/Water	TA'd Producer
COOP 2	30-025-28305	4	D	19-S ; 38-E	645 FNL & 453 FWL	Purchased CO2/Water	Active Injector
COOP 3	30-025-28306	4	C	19-S ; 38-E	645 FNL & 2045 FWL	Purchased CO2/Water	Active Injector
COOP 4	30-025-28307	4	A	19-S ; 38-E	494 FNL & 1025 FEL	Purchased CO2/Water	Active Injector
COOP 5	30-025-28308	34	L	18-S ; 38-E	1980 FSL & 646 FWL	Purchased CO2/Water	Active Injector
COOP 6	30-025-28309	34	E	18-S ; 38-E	1950 FNL & 535 FWL	Purchased CO2/Water	Active Injector
COOP 9	30-025-28968	34	A	18-S ; 38-E	717 FNL & 651 FWL	Purchased CO2/Water	Active Injector
COOP 10	30-025-28969	34	L	18-S ; 38-E	2564 FSL & 1607 FWL	Purchased CO2/Water	Active Injector
11	30-025-28970	34	L	18-S ; 38-E	2500 FSL & 1660 FWL	Purchased CO2/Water	Active Injector
12	30-025-28971	34	N	18-S ; 38-E	636 FSL & 2348 FWL	Purchased CO2/Water	Active Injector
COOP 13	30-025-28972	3	B	19-S ; 38-E	505 FNL & 2560 FEL	Purchased CO2/Water	Active Injector
SHU 209	30-025-29522	8	D	19-S ; 38-E	265 FNL & 1090 FEL	Produced Gas/CO2/Water	Active Injector
SHU 92R	TBD	10	M	19-S ; 38-E	660 FSL & 600 FWL	Produced Gas/CO2/Water	Proposed New Drill - Vertical
SHU 95R	TBD	10	O	19-S ; 38-E	990 FSL & 2310 FEL	Produced Gas/CO2/Water	Proposed New Drill - Vertical
VP1	TBD	6	G	19-S ; 38-E	TBD	Purchased CO2/Water	Proposed New Drill - Vertical
VP2	TBD	6	F	19-S ; 38-E	TBD	Purchased CO2/Water	Proposed New Drill - Vertical
VSR2	TBD	15	G	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Vertical
VSR3	TBD	15	F	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Vertical
DSR1	TBD	4	J	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR2	TBD	4	J	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR3	TBD	4	J	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR4	TBD	4	K	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR5	TBD	4	K	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR6	TBD	4	K	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR7	TBD	4	K	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR8	TBD	5	L	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR9	TBD	5	L	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR10	TBD	5	L	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR11	TBD	5	L	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR12	TBD	10	O	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR13	TBD	10	O	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
DSR14	TBD	10	O	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
203	TBD	5	L	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
143	TBD	4	J	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional
P144	TBD	4	J	19-S ; 38-E	TBD	Produced Gas/CO2/Water	Proposed New Drill - Directional

Injection Well Information for Existing Wells

Well No.	Conductor Casing						Surface Casing						Intermediate Casing						Production Casing						Liner						
	Hole Size	Csg Size	Setting Depth	Sacks of Cement	TOC	Method	Hole Size	Csg Size	Setting Depth	Sacks of Cement	TOC	Method	Hole Size	Csg Size	Setting Depth	Sacks of Cement	TOC	Method	Hole Size	Csg Size	Setting Depth	Sacks of Cement	TOC	Method	Hole Size	Csg Size	Setting Depth	Sacks of Cement	TOC	Method	
SHU 128	18"	14"	40'	4 yds & 5 sacks	Surface	circ.	12.25"	8 5/8"	1616'	925	Surface	Circ.	12.25"	8 5/8"	1616'	925	Surface	Circ.	7 7/8"	5 1/2"	4389'	1075	Surface	Circ.	7 7/8"	5 1/2"	4389'	1075	Surface	Circ.	
SHU 240	18"	14"	40'	50	Surface	circ.	12.25"	8 5/8"	1565'	850	Surface	Circ.	12.25"	8 5/8"	1565'	850	Surface	Circ.	7 7/8"	5 1/2"	4315'	1200	Surface	Circ.	7 7/8"	5 1/2"	4315'	1200	Surface	Circ.	
SHU 36							17.5"	13 3/8"	214'	135	Surface	circ.	12"	9"	1653'	350	Surf.	Circ.	8-5/8"	7"	4111'	1977	Surface	Circ	8-5/8"	5"	4202'	350	Surface	Circ	
SHU 37							16"	12 1/2"	250'	175	Surface	circ.							8 5/8"	7"	4147'	500	826'	Calc.	8 5/8"	5"	4180'	300	994'	Calc.	
SHU 188	18"	14"	40'	4 yds redimix	Surface	circ.	12.25"	8 5/8"	1583'	875	Surface	Circ.							7 7/8"	5 1/2"	4325'	1000	375'	TS							
SHU 189	18"	14"	40'	5 yds Redimix	Surface	circ.	12.25"	8 5/8"	1529'	875	Surface	Circ.							7 7/8"	5 1/2"	4311'	2060	Surface	Circ.							
SHU 190	18"	14"	40'	4.5 yds Redimix	Surface	circ.	12.25"	8 5/8"	1520'	875	Surface	Circ.							7 7/8"	5 1/2"	4300'	1200	Surface	Circ.							
SHU 191	18"	14"	40'	4 yds redimix	Surface	circ.	12.25"	8 5/8"	1515'	875	Surface	Circ.							7 7/8"	5 1/2"	4326'	1000	Surface	Circ.							
SHU 140	18"	14"	40'	6 sks	Surface	circ.	12.25"	8 5/8"	1507'	875	Surface	Circ.							7 7/8"	5 1/2"	4295'	1450	Surface	Circ.							
SHU 141	18"	14"	31'	54 sks	Surface	circ.	12.25"	8 5/8"	1541'	1175	Surface	Circ.							7 7/8"	5 1/2"	4300'	1535	Surface	Circ.							
SHU 142	18"	14"	40'	2 1/2 yds redimix	Surface	circ.	12.25"	8 5/8"	1521'	875	Surface	Circ.							7 7/8"	5 1/2"	4297'	2025	Surface	Circ.							
SHU 145	18"	14"	38'	2 yds redimix	Surface	circ.	12.25"	8 5/8"	1650'	1125	Surface	Circ.							7 7/8"	5 1/2"	4498'	1400	Surface	Circ.							
SHU 71							12.25"	8 5/8"	302'	150	Surface	circ.							7 7/8"	5 1/2"	4309'	315	3095'	Calc.							
SHU 63							20"	16"	144'	125	Surface	circ.	13 3/8"	10 3/4"	2768'	350	Surf.	Circ.	12 1/4"	8-5/8"	4038'	100	2975'	Calc.	7 7/8"	5 1/2"	4159'	900	Surface	Circ.	
SHU 154	18"	14"	40'	2 yds redimix	Surface	circ.	12.25"	8 5/8"	1580'	925	Surface	Circ.							7 7/8"	5 1/2"	4315'	1550	Surface	Circ.							
SHU 155	18"	14"	40'	3 yds redimix	Surface	circ.	12.25"	8 5/8"	1580'	900	Surface	Circ.							7 7/8"	5 1/2"	4342'	975	Surface	Circ.							
SHU 156	18"	14"	40'	3 yds redimix	Surface	circ.	12.25"	8 5/8"	1575'	875	Surface	Circ.							7 7/8"	5 1/2"	4324'	1550	Surface	Circ.							
SHU 83							16"	13"	198'	275	Surface	circ.	21.75"	9 5/8"	1630'	375	Surf.	Circ.	8-5/8"	7"	4057'	300	2222	Calc.	7"	4 1/2"	3791-4260'	380	3791'	TOL	
SHU 91							12.25"	8 5/8"	402'	225	Surface	circ.							7"	4 1/2"	4114'	320	2765'	Calc.							
COOP 2	16"	13 3/8"	40'	4.5 yds Redimix	Surface	circ.	12.25"	8 5/8"	1500'	900	Surface	Circ.							7 7/8"	5 1/2"	4423'	1275	Surface	Circ.							
COOP 3	18"	14"	40'	2 yds redimix	Surface	circ.	12.25"	8 5/8"	1500'	1000	Surface	Circ.							7 7/8"	5 1/2"	4494'	2150	Surface	Circ.							
COOP 4	18"	14"	40'	2 yds redimix	Surface	circ.	12.25"	8 5/8"	1529'	1100	Surface	Circ.							7 7/8"	5 1/2"	4374'	1100	Surface	Circ.							
OP 5	18"	13 3/8"	40'	4.5 yds Redimix	Surface	circ.	12.25"	8 5/8"	1628'	1000	Surface	Circ.							7 7/8"	5 1/2"	4490'	1275	Surface	Circ.							
OP 6	18"	14"	40'	4 yds redimix	Surface	circ.	12.25"	8 5/8"	1640'	1000	Surface	Circ.							7 7/8"	5 1/2"	4374'	1700	Surface	Circ.							
COOP 9	18"	14"	40'	5 yds Redimix	Surface	circ.	12.25"	8 5/8"	1655'	875	Surface	Circ.							7 7/8"	5 1/2"	4491'	1250	Surface	Circ.							
COOP 10	18"	14"	40'	2.5 yds redimix	Surface	circ.	12.25"	8 5/8"	1650'	875	Surface	Circ.							7 7/8"	5 1/2"	4345'	1100	Surface	Circ.							
COOP 11	18"	14"	40'	4 yds 8 sks	Surface	circ.	12.25"	8 5/8"	1670'	875	Surface	Circ.							7 7/8"	5 1/2"	4410'	1150	Surface	Circ.							
COOP 12	18"	14"	40'	2.5 yds redimix	Surface	circ.	12.25"	8 5/8"	1620'	875	Surface	Circ.							7 7/8"	5 1/2"	4414'	1500	Surface	Circ.							
COOP 13	18"	14"	40'	5 yds 8 sks redimix	Surface	circ.	12.25"	8 5/8"	1625'	875	Surface	Circ.							7 7/8"	5 1/2"	4365'	1150	Surface	Circ.							
SHU 209	18"	14"	40'	.5 yds 13 sks redim	Surface	circ.	12.25"	8 5/8"	1620'	1050	Surface	Circ.							7 7/8"	5 1/2"	4145'	950	Surface	Circ.							

Injection Well Information for Existing Wells

Tubing to be Used					Packer Description		
Vell No.	Size	Lining Material	Proposed Packer	Proposed Setting Depth	Injection Interval		
HU 128	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 140	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 36	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 37	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 188	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 189	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 190	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 191	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 140	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 141	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 142	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 145	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 71	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 63	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 154	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 155	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 156	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 83	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
HU 91	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 2	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 3	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 4	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
OP 5	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
OP 6	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
JOP 9	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 10	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 11	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 12	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
COOP 13	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		
SHU 209	2 3/8", 2 7/8" or 3 1/2"	duoline	Guiberson Uni VI	Within the Unitized Interval	Grayburg and San Andres Formations		

Injection Well Information for Proposed New Drills

[illegible]

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 128
API: 30-025-28332
Footage Location: 335' FNL & 520' FWL
Section: 3
Township: 19-S
Range: 38-E
Unit Letter: D
Current Status: Active Injector

14" @ 40'
Cemented w/ 4 yds & 5 sxs Redimix
TOC: surf. (circulated)

8 5/8" @ 1616'
Cemented w/ 925 sx
TOC: surf. (circulated)

5 1/2" @ 4389'
Cemented w/ 1375 sxs
TOC: surf. (circulated)

Total Depth: 4389'

Current Injector Perfs: 4132 feet to: 4268

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth: Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 240
API: 30-025-35342
Footage Location: 571' FSL & 1302' FWL
Section: 34
Township: 18-S
Range: 38-E
Unit Letter: M
Current Status: Active Producer

14" @ 40'
Cemented w/ 50 sxs
TOC: surf. (circulated)

8 5/8" @ 1565'
Cemented w/ 850 sxs
TOC: surf. (circulated)

5 1/2" @ 4315'
Cemented w/ 1200 sxs
TOC: surf. (circulated)

Total Depth: 4315'

Injector Interval: 4110 feet to: 4248

Completion type: Perforated casing

Proposed tubing size: 2 3/8 , 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pk set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 36

API: 30-025-07588

Footage Location: 1980' FNL & 1980' FWL

Section: 3

Township: 19-S

Range: 38-E

Unit Letter: F

Current Status: Active Injector

13 3/8" @ 214'
Cemented w/ 135 sxs
TOC: surf. (circulated)

9" @ 1653'
Cemented w/ 350 sxs
TOC: surf. (circulated)

7" @ 4111'
Cemented w/ 1977 sxs
TOC: surf. (circulated)

5" casing string to 3978'
Perf'd casing at 3900' and squeezed with 300 sx
Circ. To Surface.

5 1/2" liner hung from 3978' to 4202'
Liner cemented w/ 50 sxs
TOC: 3978'

Total Depth: 4280'

Injector Interval: 4120 feet to: 4280

Completion type: Perforated casing & Acid Treated OH

Proposed tubing size: 2 3/8" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 37

API: 30-025-07584

Footage Location: 1980' FNL & 2310' FEL

Section: 3

Township: 19-S

Range: 38-E

Unit Letter: G

Current Status: P & A'd Injector

12 1/2" @ 250'
Cemented w/ 175 sxs
TOC: surf. (circulated)

7" @ 4147'
Cemented w/ 500 sxs
TOC: 826' (calc.)

5" @ 4180'
Cemented w/ 300 sxs
TOC: 994' (calc.)

Total Depth: 4290'

Injector Interval: 4067 feet to: 4282

Completion type: Perforated casing & Acid Treated OH

Proposed tubing size: 2 3/8" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**

2. Name of field or pool: **Hobbs; Grayburg-San Andres**

3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**

4. Has the well ever been perforated in any other zone(s)? **None.**

List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.

Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 188
API: 30-025-28982
Footage Location: 1493' FSL & 1802' FWL
Section: 5
Township: 19-S
Range: 38-E
Unit Letter: K
Current Status: Active Producer

14" @ 40'
Cemented w/ 4 yds Redimix
TOC: surf. (circulated)

8 5/8" @ 1583'
Cemented w/ 875 sx
TOC: surf. (circulated)

5 1/2" @ 4325'
Cemented w/ 1000 sx.
TOC: 375' (Temp. Survey)

Total Depth: 4325'

Injector Interval: 4139 feet to: 4229

Completion type: Perforated casing

Proposed tubing size: 2 3/8 , 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 189
API: 30-025-29085
Footage Location: 1685' FSL & 2475' FEL
Section: 5
Township: 19-S
Range: 38-E
Unit Letter: J
Current Status: Active Producer

14" @ 40'
Cemented w/ 5 yds Redimix
TOC: surf. (circulated)

8 5/8" @ 1529'
Cemented w/ 875 sx
TOC: surf. (circulated)

5 1/2" @ 4311'
Cemented w/ 2060 sx.
TOC: surf. (circulated)

Total Depth: 4315'

Injector Interval: 4112 feet to: 4228

Completion type: Perforated casing

Proposed tubing size: 2 3/8", 2 7/8, or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations..

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 190

API: 30-025-29082

Footage Location: 1568' FSL & 1105' FEL

Section: 5

Township: 19-S

Range: 38-E

Unit Letter: I

Current Status: Active Producer

14" @ 40'
Cemented w/ 4 1/2 yds Redimix
TOC: surf. (circulated)

8 5/8" @ 1520'
Cemented w/ 875 sx
TOC: surf. (circulated)

5 1/2" @ 4300'
Cemented w/ 1200 sx.
TOC: surf. (circulated)

Total Depth: 4300'

Injector Interval: 4112 feet to: 4208

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 191
API: 30-025-28983
Footage Location: 1585' FSL & 395' FWL
Section: 4
Township: 19-S
Range: 38-E
Unit Letter: L
Current Status: Active Producer

14" @ 40'
Cemented w/ 4 yds Redimix
TOC: surf. (circulated)

8 5/8" @ 1515'
Cemented w/ 875 sx
TOC: surf. (circulated)

5 1/2" @ 4326'
Cemented w/ 1000 sx.
TOC: surf. (circulated)

Total Depth: 4326'

Injector Interval: 4100 feet to: 4210

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8, or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 140

API: 30-025-28343

Footage Location: 1485' FSL & 1245' FWL

Section: 4

Township: 19-S

Range: 38-E

Unit Letter: L

Current Status: Active Producer

14" @ 40'
Cemented w/ 2 yds 6 sx Redimix
TOC: surf. (circulated)

8 5/8" @ 1507'
Cemented w/ 875 sx
TOC: surf. (circulated)

5 1/2" @ 4295'
Cemented w/ 1450 sx.
TOC: surf. (circulated)

Total Depth: 4300'

Injector Interval: 4089 feet to: 4228

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 141

API: 30-025-28344

Footage Location: 1478' FSL & 2595' FWL

Section: 4

Township: 19-S

Range: 38-E

Unit Letter: K

Current Status: Active Producer

14" @ 31'
Cemented w/ 54 sxs Redimix
TOC: surf. (circulated)

8 5/8" @ 1541'
Cemented w/ 1175 sx
TOC: surf. (circulated)

5 1/2" @ 4300'
Cemented w/ 1535 sx.
TOC: surf. (circulated)

Total Depth: 4300'

Injector Interval: 4104 feet to: 4231

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 142

API: 30-025-28345

Footage Location: 1310' FSL & 1370' FEL

Section: 4

Township: 19-S

Range: 38-E

Unit Letter: O

Current Status: Active Producer

14" @ 40'
Cemented w/ 2 1/2 yds Redimix
TOC: surf. (circulated)

8 5/8" @ 1521'
Cemented w/ 875 sx
TOC: surf. (circulated)

5 1/2" @ 4297'
Cemented w/ 2025 sx.
TOC: surf. (circulated)

Total Depth: 4297'

Injector Interval: 4101 feet to: 4228

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 145

API: 30-025-28348

Footage Location: 577' FSL & 1984' FWL

Section: 3

Township: 19-S

Range: 38-E

Unit Letter: N

Current Status: Active Producer

14" @ 38'
Cemented w/ 2 yds Redimix
TOC: surf. (circulated)

8 5/8" @ 1650'
Cemented w/ 1125 sx
TOC: surf. (circulated)

5 1/2" @ 4498'
Cemented w/ 1400 sx.
TOC: surf. (circulated)

Total Depth: 4498'

Injector Interval: 4316 feet to: 4420

Completion type: Perforated casing

Proposed tubing size: 2 3/8 , 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations..

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 71

API: 30-025-07670

Footage Location: 1650' FNL & 990' FWL

Section: 9

Township: 19-S

Range: 38-E

Unit Letter: E

Current Status: TA'd injector

8 5/8" @ 302'
Cemented w/ 150 sxs
TOC: surf. (circulated)

5 1/2" @ 4309'
Cemented w/ 315 sx.
TOC: 3095' (calc.)

Total Depth: 4309'

Injector Interval: 4141 feet to: 4243

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 63

API: 30-025-07662

Footage Location: 660' FNL & 1980' FWL

Section: 9

Township: 19-S

Range: 38-E

Unit Letter: C

Current Status: Active Injector

16" @ 144'
Cemented w/ 125 sx
TOC: surf. (circulated)

10 3/4" @ 2768'
Cemented w/ 350 sx
TOC: surf. (circulated)

8 5/8" @ 4038'
Cemented w/ 100 sx.
TOC: 2975' (calc.)

5 1/2" @ 3918-4159'
Cemented w/ 150 sx
TOC @ 3918'

5 1/2" tie-back liner from surf. To 3909'
Cemented w/ 750 sx
TOC: surf. (circulated)

Total Depth: 4257'

Injector Interval: 4133 feet to: 4190

Completion type: Perforated liner & casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type and setting depth : Arrow Set 1-X DBL GRIP pkr. set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 154

API: 30-025-28357

Footage Location: 1163' FNL & 2600' FEL

Section: 9

Township: 19-S

Range: 38-E

Unit Letter: B

Current Status: Active Producer

14" @ 40'
Cemented w/ 2 yds Ready mix
TOC: surf. (circulated)

8 5/8" @ 1580'
Cemented w/ 925 sx.
TOC: surf. (circulated)

5 1/2" @ 4315'
Cemented w/ 1550' sx
TOC: surf. (circ.)

Total Depth: 4315'

Injector Interval: 4147 feet to: 4315

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 155

API: 30-025-28358

Footage Location: 1158' FNL & 1568' FEL

Section: 9

Township: 19-S

Range: 38-E

Unit Letter: B

Current Status: Active Producer

14" @ 40'
Cemented w/ 3 yds Redi mix
TOC: surf. (circulated)

8 5/8" @ 1580'
Cemented w/ 900 sx.
TOC: surf. (circulated)

5 1/2" @ 4342'
Cemented w/ 975' sx
TOC: surf. (circ.)

Total Depth: 4342'

Injector Interval: 4150 feet to: 4320

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations..

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**

2. Name of field or pool: **Hobbs; Grayburg-San Andres**

3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**

4. Has the well ever been perforated in any other zone(s)? **None.**

List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.

Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 156

API: 30-025-28359

Footage Location: 1370' FNL & 330' FEL

Section: 9

Township: 19-S

Range: 38-E

Unit Letter: H

Current Status: Active Producer

14" @ 40'
Cemented w/ 3 yds Redi mix
TOC: surf. (circulated)

8 5/8" @ 1575'
Cemented w/ 875 sx.
TOC: surf. (circulated)

5 1/2" @ 4324'
Cemented w/ 1550' sx
TOC: surf. (circ.)

Total Depth: 4324'

Injector Interval: 4100 feet to: 4276

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2 lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 83
API: 30-025-07668
Footage Location: 1980' FSL & 1980' FEL
Section: 9
Township: 19-S
Range: 38-E
Unit Letter: J
Current Status: TA'd injector

13" @ 198'
Cemented w/ 275 sx
TOC: surf. (circulated)

9 5/8" @ 1630'
Cemented w/ 375 sx
TOC: surf. (circulated)

7" @ 4057' w/ 300 sx
TOC: 2222' (calc.)

4.5" @ 3791- 4260' w/ 380 sx
TOC: 3791'

Total Depth: 4265'

Injector Interval: 3959 feet to: TD

Completion type: Perforated liner

Proposed tubing size: 2 3/8" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. 91
API: 30-025-20047
Footage Location: 990' FSL & 330' FEL
Section: 9
Township: 19-S
Range: 38-E
Unit Letter: P
Current Status: TA'd Producer

8 5/8" @ 402'
Cemented w/ 225 sx
TOC: surf. (circulated)

4 1/2" @ 4114'
Cemented w/ 320 sx
TOC: 2765' (calc.)

Total Depth: 4203'

Injector Interval: 4056 feet to: 4203

Completion type: Perforated casing & Acid treating OH

Proposed tubing size: 2 3/8" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**

2. Name of field or pool: **Hobbs; Grayburg-San Andres**

Was this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**

Has the well ever been perforated in any other zone(s)? **None.**

List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. COOP 2
API: 30-025-28305
Footage Location: 645' FNL & 453' FWL
Section: 4
Township: 19-S
Range: 38-E
Unit Letter: D
Current Status: Active Injector

13 3/8" @ 40'
Cemented w/ 4.5 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1500'
Cemented w/ 900 sxs
TOC: surf. (circulated)

5 1/2" @ 4423'
Cemented w/ 1275 sxs
TOC: surf. (circulated)

Total Depth: 4423'

Injector Interval: 4159 feet to: 4348

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth: Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. COOP 3
API: 30-025-28306
Footage Location: 645' FNL & 2045' FWL
Section: 4
Township: 19-S
Range: 38-E
Unit Letter: C
Current Status: Active Injector

14" @ 40'
Cemented w/ 2 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1500'
Cemented w/ 1000 sxs
TOC: surf. (circulated)

5 1/2" @ 4494'
Cemented w/ 2150 sxs
TOC: surf. (circulated)

Total Depth: 4494'

Injector Interval: 4248 feet to: 4447

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. COOP 4

API: 30-025-28307

Footage Location: 494' FNL & 1025' FEL

Section: 4

Township: 19-S

Range: 38-E

Unit Letter: A

Current Status: Active Injector

14" @ 40'
Cemented w/ 2 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1529'
Cemented w/ 1100 sxs
TOC: surf. (circulated)

5 1/2" @ 4374'
Cemented w/ 1100 sxs
TOC: surf. (circulated)

Total Depth: 4374'

Injector Interval: 4126 feet to: 4262

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea, County
Well No. COOP 5
API: 30-025-28308
Footage Location: 1980' FSL & 646' FWL
Section: 34
Township: 18-S
Range: 38-E
Unit Letter: L
Current Status: Active Injector

13 3/8" @ 40'
Cemented w/ 4.5 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1628'
Cemented w/ 1000 sxs
TOC: surf. (circulated)

5 1/2" @ 4490'
Cemented w/ 1275 sxs
TOC: surf. (circulated)

Total Depth: 4490'

Injector Interval: 4173 feet to: 4440

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. COOP 6
API: 30-025-28309
Footage Location: 1950' FNL & 535' FWL
Section: 34
Township: 18-S
Range: 38-E
Unit Letter: E
Current Status: Active Injector

14" @ 40'
Cemented w/ 4 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1640'
Cemented w/ 1000 sxs
TOC: surf. (circulated)

5 1/2" @ 4374'
Cemented w/ 1700 sxs
TOC: surf. (circulated)

Total Depth: 4444'

Injector Interval: 4232 feet to: 4406

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations..

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. COOP 9

API: 30-025-28968

Footage Location: 717' FNL & 651' FWL

Section: 34

Township: 18-S

Range: 38-E

Unit Letter: A

Current Status: Active Injector

14" @ 40'
Cemented w/ 5 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1655'
Cemented w/ 875 sxs
TOC: surf. (circulated)

5 1/2" @ 4491'
Cemented w/ 1250 sxs
TOC: surf. (circulated)

Total Depth: 4494'

Injector Interval: 4290 feet to: 4472

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations..

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. COOP 10

API: 30-025-28969

Footage Location: 2564' FSL & 1607' FWL

Section: 34

Township: 18-S

Range: 38-E

Unit Letter: L

Current Status: Active Injector

14" @ 40'
Cemented w/ 2.5 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1650'
Cemented w/ 875 sxs
TOC: surf. (circulated)

5 1/2" @ 4345'
Cemented w/ 1100 sxs
TOC: surf. (circulated)

Total Depth: 4345'

Injector Interval: 4141 feet to: 4320

Completion type: Perforated casing

Proposed tubing size: 2 3/8 I, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. COOP 11
API: 30-025-28970
Footage Location: 2500' FSL & 1660' FWL
Section: 34
Township: 18-S
Range: 38-E
Unit Letter: L
Current Status: Active Injector

14" @ 40'
Cemented w/ 4 yds 8 sxs Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1670'
Cemented w/ 875 sxs
TOC: surf. (circulated)

5 1/2" @ 4410'
Cemented w/ 1150 sxs
TOC: surf. (circulated)

Total Depth: 4410'

Injector Interval: 4259 feet to: 4363

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well No. COOP 12
API: 30-025-28971
Footage Location: 636' FSL & 2348' FWL
Section: 34
Township: 18-S
Range: 38-E
Unit Letter: N
Current Status: Active Injector

14" @ 40'
Cemented w/ 2.5 yds Redi Mix
TOC: surf. (circulated)

8 5/8" @ 1620'
Cemented w/ 875 sxs
TOC: surf. (circulated)

5 1/2" @ 4414'
Cemented w/ 1500 sxs
TOC: surf. (circulated)

Total Depth: 4441'

Injector Interval: 4244 feet to: 4410

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. COOP 13

API: 30-025-28972

Footage Location: 505' FNL & 2560' FEL

Section: 3

Township: 19-S

Range: 38-E

Unit Letter: B

Current Status: Active Injector

14" @ 40'
Cemented w/ 5 yds 8 sxs redi-mix
TOC: surf. (circulated)

8 5/8" @ 1625'
Cemented w/ 875 sxs
TOC: surf. (circulated)

5 1/2" @ 4365'
Cemented w/ 1150 sxs
TOC: surf. (circulated)

Total Depth: 4365'

Injector Interval: 4240 feet to: 4310

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **Yes.**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

South Hobbs G/SA Unit

Lea. County

Well No. 209

API: 30-025-29522

Footage Location: 265' FNL & 1090' FEL

Section: 8

Township: 19-S

Range: 38-E

Unit Letter: D

Current Status: Active Injector

14" @ 40'
Cemented w/ 4 1/2 yds 13 sxs Redi mix
TOC: surf. (circulated)

8 5/8" @ 1620'
Cemented w/ 1050 sx.
TOC: surf. (circulated)

5 1/2" @ 4145'
Cemented w/ 950' sx
TOC: surf. (circ.)

Total Depth: 4208'

Injector Interval: 4060 feet to: 4208

Completion type: Perforated casing

Proposed tubing size: 2 3/8, 2 7/8 or 3 1/2" lined with Duoline

Proposed packer type & setting depth : Guiberson Uni VI pkr set within the Grayburg and San Andres Formations.

Other Data:

1. Name of the injection formation: **Grayburg and San Andres Formations**
2. Name of field or pool: **Hobbs; Grayburg-San Andres**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **No, Producer**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Example Wellbore Diagram of
Proposed Vertical New Drill Wells
6 Total Wells

Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well Nos. SHU 92R, SHU 95RVP1, VP2, VSR2, VSR3
Example Wellbore Diagram
for Proposed Vertical New Drills
Section: See attached
Unit Letter: See attached.

8 5/8" @ 1550'
Cemented
TOC: surf. (circulated)

7" @ 4500'
Cemented
TOC: surf. (circulated)

Total Depth: 4572'

Example Wellbore Diagram of
Proposed Directional New Drill Wells
17 Total Wells

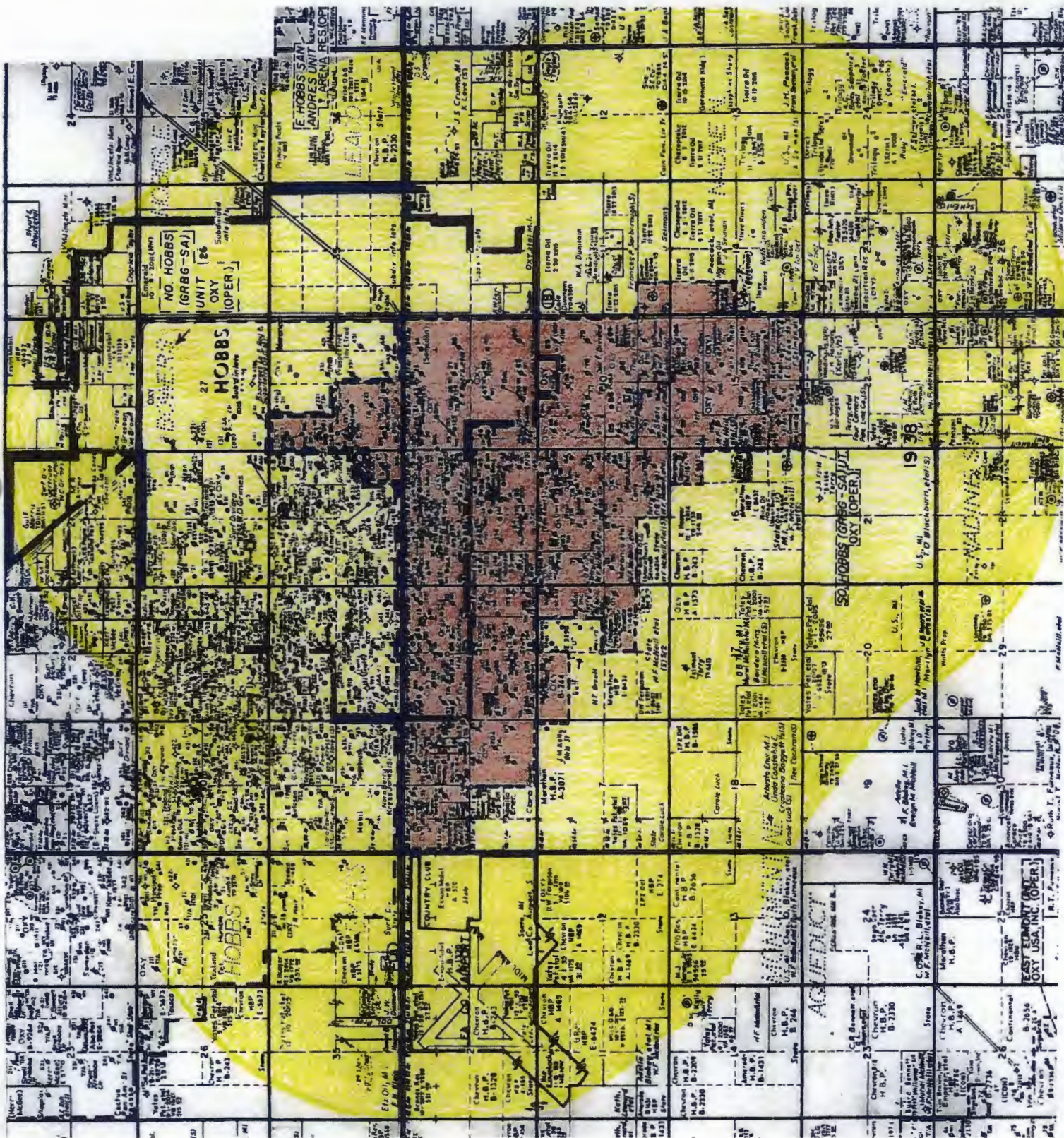
Occidental Permian Ltd.
South Hobbs G/SA Unit
Lea. County
Well Nos. 203, 143, P144
DSR1, 2,3,4,5,6,7,8,9,10,11,12,13, 14
Example Wellbore Diagram
for Directional Proposed New Drills
Section: See Attached
Unit Letter: See Attached

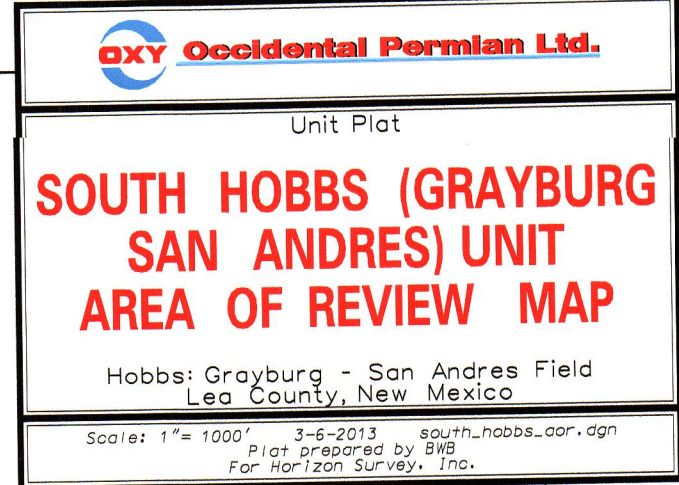
8 5/8" @ 1550'
Cemented
TOC: surf. (circulated)

7" @ 4500'
Cemented
TOC: surf. (circulated)

Total Depth: 4500'

**V. 2-mile Radius
Map**





**VIII. Geologic
Statement**

South Hobbs Unit

C-108 Application

Geologic Information

Injection will occur in the upper-Permian age San Andres formation. In the Hobbs Field the top of the San Andres formation is found at depths ranging from 3950' to over 4300' below the surface. The San Andres formation in the Hobbs area can be over 1300' in thickness down to the underlying Glorieta formation; however, the hydrocarbon accumulation at the Hobbs Field is limited to the upper few hundreds of feet of the San Andres. This upper San Andres formation at Hobbs consists almost entirely of dolomite, with minor amounts of siltstone, shale and limestone. And although the Unitized interval of the Hobbs Field does extend another 100-150' above the San Andres, into the overlying lower Grayburg formation, this interval consists of poorer quality reservoir siltstones and dolomites and is not the focus of injection.

Shallow, underground sources of drinking water in the Hobbs area include the Tertiary age Ogallala and undifferentiated Cretaceous formations, commonly known together as the High Plains aquifer. The Ogallala formation, which consists of unconsolidated sands, silts, clay and gravel, can be found at depths beginning at approximately 40 feet, beneath a hard, semi-impermeable layer of caliche. The undifferentiated Cretaceous formation is found immediately underlying the Ogallala and consists of sandstones interbedded with shale and limestone. These fresh-water-bearing horizons extend down to an approximate depth of 200-250' to the top of the Triassic "Red Beds".

Contamination of these shallow drinking water sources from injection into the deeper San Andres is virtually impossible through natural vertical communication. Immediately overlying the lower Grayburg/San Andres reservoir section at Hobbs is a nearly 200' thick section of impermeable anhydrite and tight limestones of the upper Grayburg formation. Between this barrier and the fresh water zones lies another impermeable zone, a 1000'+ thick section of salt and anhydrite of the Rustler and Salado formations. The top of these formations are found at a depth of approximately 1500', immediately underlying the Triassic "Red Beds". In addition, there is no geologic evidence to suggest that there are any faults in the Hobbs area that would provide a connection between the San Andres formation and the overlying shallow drinking water sources. There are no underground sources of drinking water found below the proposed injection interval.

I hereby certify that the information presented above is true and correct to the best of my knowledge and belief.



Randy Stilwell

Senior Geologic Advisor

3-12-2013

Date

XI. Fresh Water Analyses

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Company**

Well Number:	DA Cochran Windmill S of House	Sample Temp:	70
Lease:	OXY	Date Sampled:	3/25/2013
Location:	55ft. close to inj. #209	Sampled by:	Bobby Hunt
Date Run:	3/27/2013	Employee #:	27-022
Lab Ref #:	13-mar-n69275	Analyzed by:	GR

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H ₂ S)	.00	16.00	.00
Carbon Dioxide	(CO ₂)	NOT ANALYZED		
Dissolved Oxygen	(O ₂)	NOT ANALYZED		

Cations

Calcium	(Ca++)	72.36	20.10	3.60
Magnesium	(Mg++)	13.08	12.20	1.07
Sodium	(Na+)	40.60	23.00	1.77
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	.13	27.50	.00
Strontium	(Sr++)	NOT ANALYZED		

Anions

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO ₃ =)	.00	30.00	.00
BiCarbonate	(HCO ₃ -)	195.52	61.10	3.20
Sulfate	(SO ₄ =)	46.00	48.80	.94
Chloride	(Cl-)	82.09	35.50	2.31
Total Iron	(Fe)	0.24	18.60	.01
Total Dissolved Solids		450.02		
Total Hardness as CaCO ₃		234.53		
Conductivity MICROMHOS/CM		692		

pH	7.100	Specific Gravity 60/60 F.	1.000
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CaSO₄ Solubility @ 80 F. 18.71MEq/L, CaSO₄ scale is unlikely

CaCO₃ Scale Index

70.0	-.927	100.0	-.577	130.0	-.067
80.0	-.797	110.0	-.337	140.0	-.067
90.0	-.577	120.0	-.337	150.0	.163

Nalco Company

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Company**

Well Number:	Malcomb Combs Windmill	Sample Temp:	70
Lease:	OXY	Date Sampled:	3/25/2013
Location:	Inj. #239	Sampled by:	Bobby Hunt
Date Run:	3/27/2013	Employee #:	27-022
Lab Ref #:	13-mar-n69274	Analyzed by:	GR

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H ₂ S)	.00	16.00	.00
Carbon Dioxide	(CO ₂)	NOT ANALYZED		
Dissolved Oxygen	(O ₂)	NOT ANALYZED		

Cations

Calcium	(Ca++)	86.11	20.10	4.28
Magnesium	(Mg++)	16.88	12.20	1.38
Sodium	(Na+)	30.32	23.00	1.32
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	.00	27.50	.00
Strontium	(Sr++)	NOT ANALYZED		

Anions

Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO ₃ =)	.00	30.00	.00
BiCarbonate	(HCO ₃ -)	219.96	61.10	3.60
Sulfate	(SO ₄ =)	28.00	48.80	.57
Chloride	(Cl-)	100.11	35.50	2.82
Total Iron	(Fe)	0.14	18.60	.01
Total Dissolved Solids		481.52		
Total Hardness as CaCO ₃		284.48		
Conductivity MICROMHOS/CM		875		

pH	7.070	Specific Gravity 60/60 F.	1.000
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CaSO₄ Solubility @ 80 F. 18.22MEq/L, CaSO₄ scale is unlikely

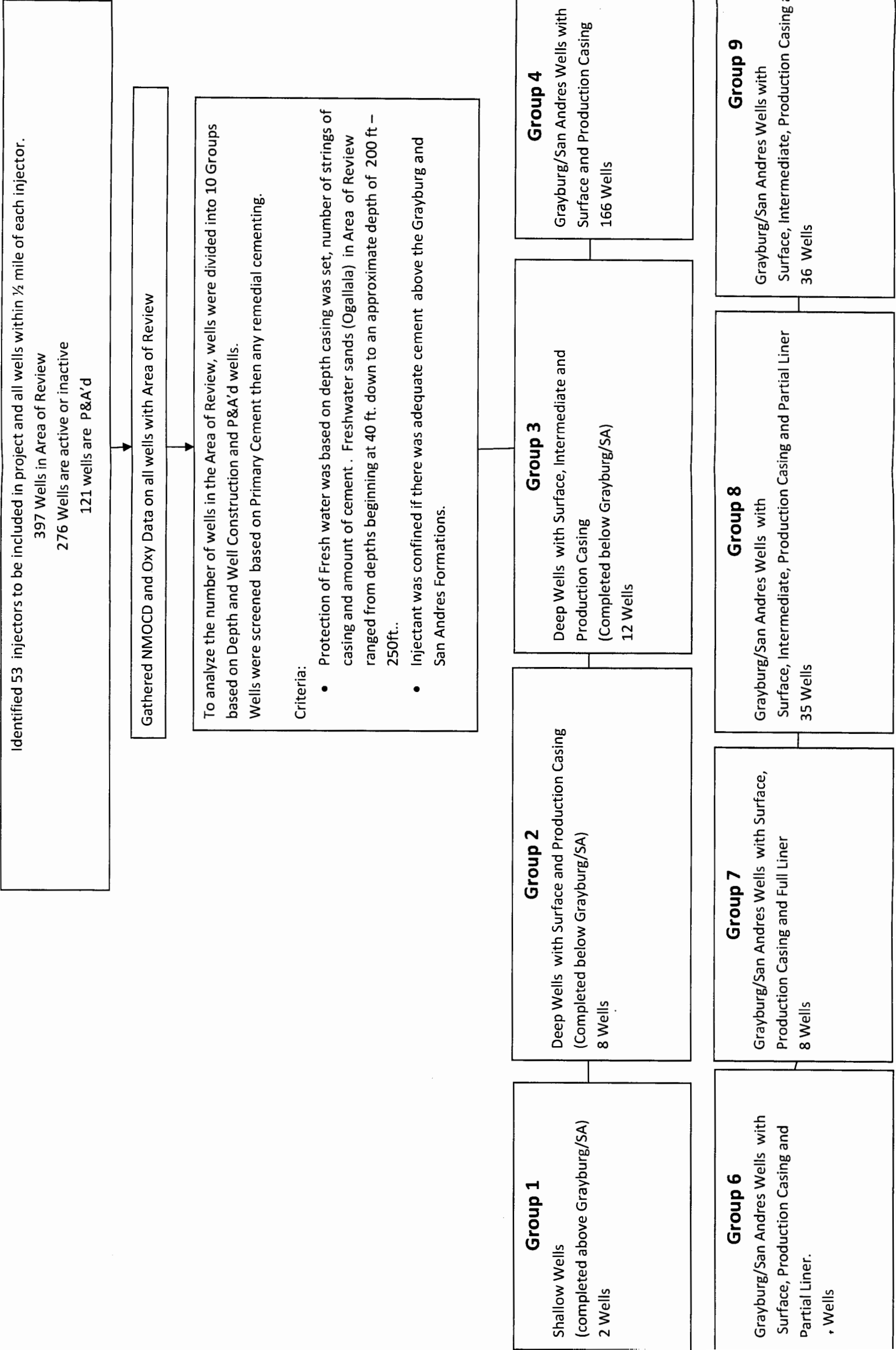
CaCO₃ Scale Index

70.0	-.830	100.0	-.480	130.0	.030
80.0	-.700	110.0	-.240	140.0	.030
90.0	-.480	120.0	-.240	150.0	.260

Nalco Company

**XIII. Proof of
Notice**

OCCIDENTAL PERMIAN LTD.
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT
AREA OF REVIEW METHODOLOGY



GROUP 1

GROUP 1
Shallow Wells - 2 Wells

Protectable Water depth
40' to approx. 200-250'



Surface Casing on all Wells
has been cemented to surface.

Shallowest Surface Casing Set at 301'

Deepest Surface Casing Set at 420'

Prod. Casing on all wells
has been cemented to surface.

Shallowest Prod. Casing Set at 3116'

Deepest Prod. Casing Set at 3179'

Grayburg and San Andres
Formations



GROUP 1
SHALOW WELLS
OCCIDENTAL PERMIAN LTD.
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. MS	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
30-025-07541	OXY USA, Inc.	State Land Sec. 32	7	P	TA	585'	S	585'	E	P	32	18S	38E	Jun-48	3,213'	11"	8 5/8"	301'	125	Surface	Circ.	7"	5 1/2"	3,116'	1000	Surface	Circ.	3,116'-3,213' O.H.	Bowers-Seven Rivers completion
30-025-12502	Saber Oil & Gas Ventures, LLC	Nora Berry	6	P	Active	660'	S	408'	E	P	31	18S	38E	Nov-47	3,242'	11"	8 5/8"	420'	200	Surface	Circ.	7 7/8"	4 1/2"	3,179'	850	Surface	Calc.	3,179'-3,242' O.H.	Seven Rivers Completion

GROUP 2

GROUP 2

Deep Wells with Surface and Production Casing - 8 Wells

Protectable Water depth
40' to approx. 200-250'



Grayburg and San Andres
Formations



Surface Casing on all wells
has been cemented to surface.

Shallowest Surface Casing Set at 1530'

Deepest Surface Casing Set at 1723'



TOC ranges from 4454' to surface
with initial cementing job or with
remedial cementing.

Shallowest Prod. Casing Set at 7075'

Deepest Prod. Casing Set at 8050'

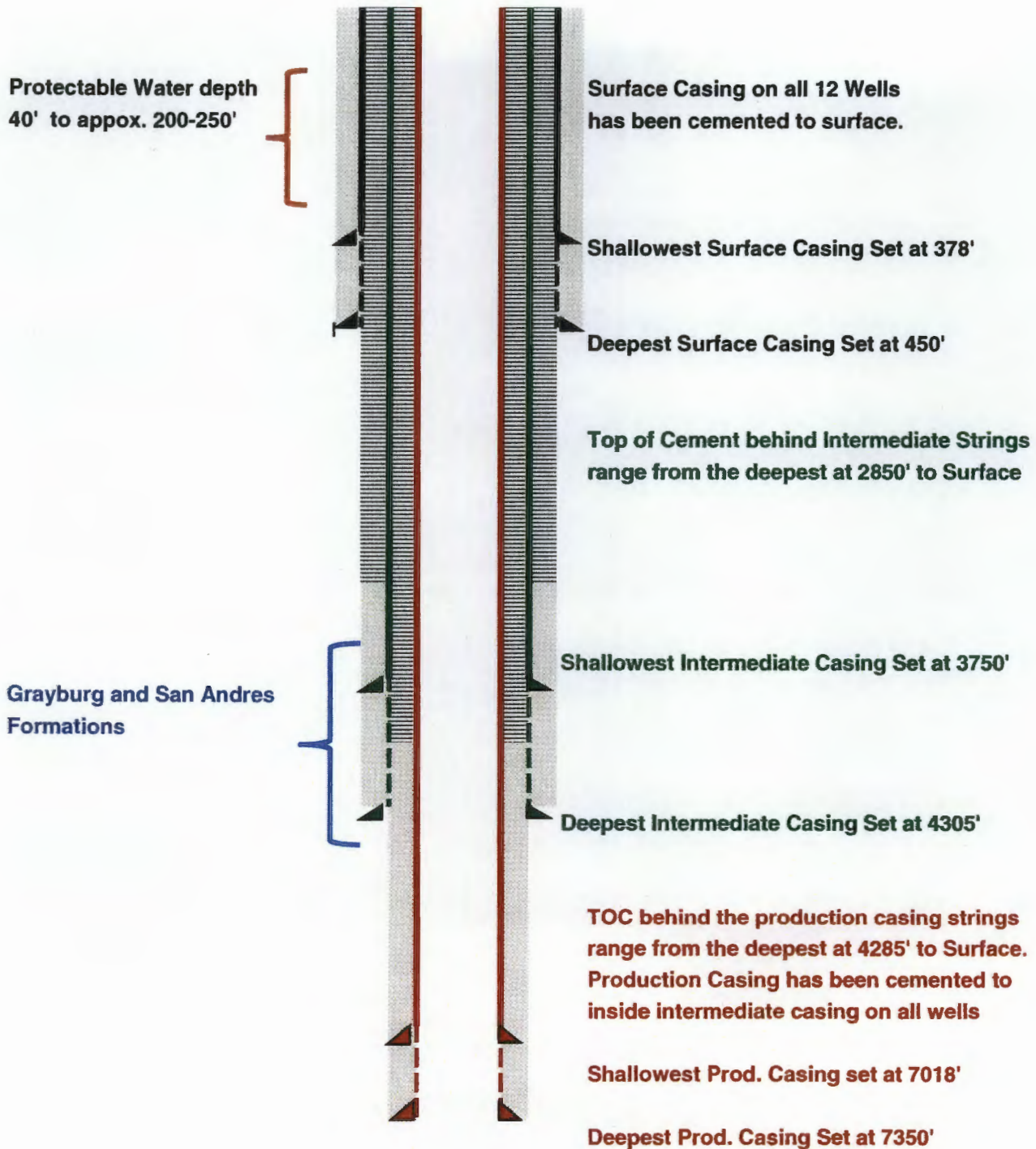
GROUP 2
Deep Wells with Surface and Production Casing
OCCIDENTAL PERMIAN LTD.
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. INCH	INCH	FTG. E/W	E/W	UNIT	SEC.	TSHR.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	BET AT	ST. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS					
30-025-35961	OXY USA, Inc.	Conoco State	3	P	Active	2110'	S	2055'	E	J	33	19S	38E	Aug-02	7,025'	12 1/4"	9 5/8"	1,530'	500	Surface	Circ.	7 7/8"	5 1/2"	6,992'	686	3,658'	Calc.	6,406'-6,573' Perf. Tubb Completion 6,806'-6,933' Perf. Drinkard Completion
"5 1/2" casing perforated @ 3,740' & squeeze cemented w/710 sx. TOC @ 2,025'. 5 1/2" casing perforated @ 1,990' and cemented to surface w/570 sx.																												
30-025-38572	Texland Petroleum-Hobbs, LLC	State HF Com	2	P	Active	1897'	S	957'	E	I	33	18S	38E	Nov-07	7,080'	12 1/4"	8 5/8"	1,620'	750	Surface	Circ.	7 7/8"	5 1/2"	7,075'	1,950	Surface	Circ.	6,570'-6,914' Perf. 5 1/2" csg. stage cmt. 1st stage-Drinkard Comp. 750 sx. 2nd stage-1200 sx.
30-025-36051	Chesapeake Operating, Inc.	Herradura	4	P	Active	1928'	S	2161'	E	J	15	19S	38E	Dec-02	7,740'	12 1/4"	8 5/8"	1,695'	900	Surface	Circ.	7 7/8"	5 1/2"	7,740'	1710	Surface	Calc.	6,872'-7,508' Perf. Drinkard-Abo Completion
30-025-35815	Chesapeake Operating, Inc.	Herradura	2	P	Active	850'	S	1650'	E	O	15	19S	38E	Feb-02	7,780'	12 1/4"	8 5/8"	1,636'	700	Surface	Circ.	7 7/8"	5 1/2"	7,780'	1640	Surface	Circ.	6,974'-7,660' Perf. Drinkard-Abo Completion
30-025-35933	Chesapeake Operating, Inc.	Herradura	3	P	Active	1502'	S	864'	E	I	15	19S	38E	Jul-02	7,787'	12 1/4"	8 5/8"	1,723'	800	Surface	Circ.	7 7/8"	5 1/2"	7,787'	625	4,454'	Calc.	7,244'-7,604' Perf. Drinkard-Abo Completion
30-025-36219	Chesapeake Operating, Inc.	BP America	1	P	Active	2310'	N	990'	E	H	15	19S	38E	Nov-03	7,800'	12 1/4"	8 5/8"	1,609'	850	Surface	Circ.	7 7/8"	5 1/2"	7,790'	1700	Surface	Circ.	7,491'-7,622' Perf. Abo Completion
30-025-36667	Chesapeake Operating, Inc.	BP America	2	P	Active	1980'	N	1980'	E	G	15	19S	38E	May-04	7,800'	12 1/4"	8 5/8"	1,633'	900	Surface	Circ.	7 7/8"	5 1/2"	7,800'	2220	Surface *	Calc.	7,278'-7,624' Perf. Abo Completion
"5 1/2" csg. stage cemented. 1st stage-770 sx. 2nd stage-1450 sx. Well file does not indicate depth of DV Tool.																												
30-025-35491	Chesapeake Operating, Inc.	Cain	3	P	Active	1980'	S	330'	W	L	14	19S	38E	Apr-01	8,050'	12 1/4"	8 5/8"	1,625'	750	Surface	Circ.	7 7/8"	5 1/2"	8,050'	2295	Surface *	Calc.	6,904'-7,484' Perf. Drinkard-Abo Completion PBTD-7,500'
"5 1/2" csg. stage cemented. 1st stage-310 sx. 2nd stage-1985 sx. DV Tool @ 7,612'. TOC behind 5 1/2" casing calculates to surface, however, well file indicates cement was not circulated to surface.																												

GROUP 3

GROUP 3

Deep Wells with Surface, Intermediate and Production Casing - 12 Wells



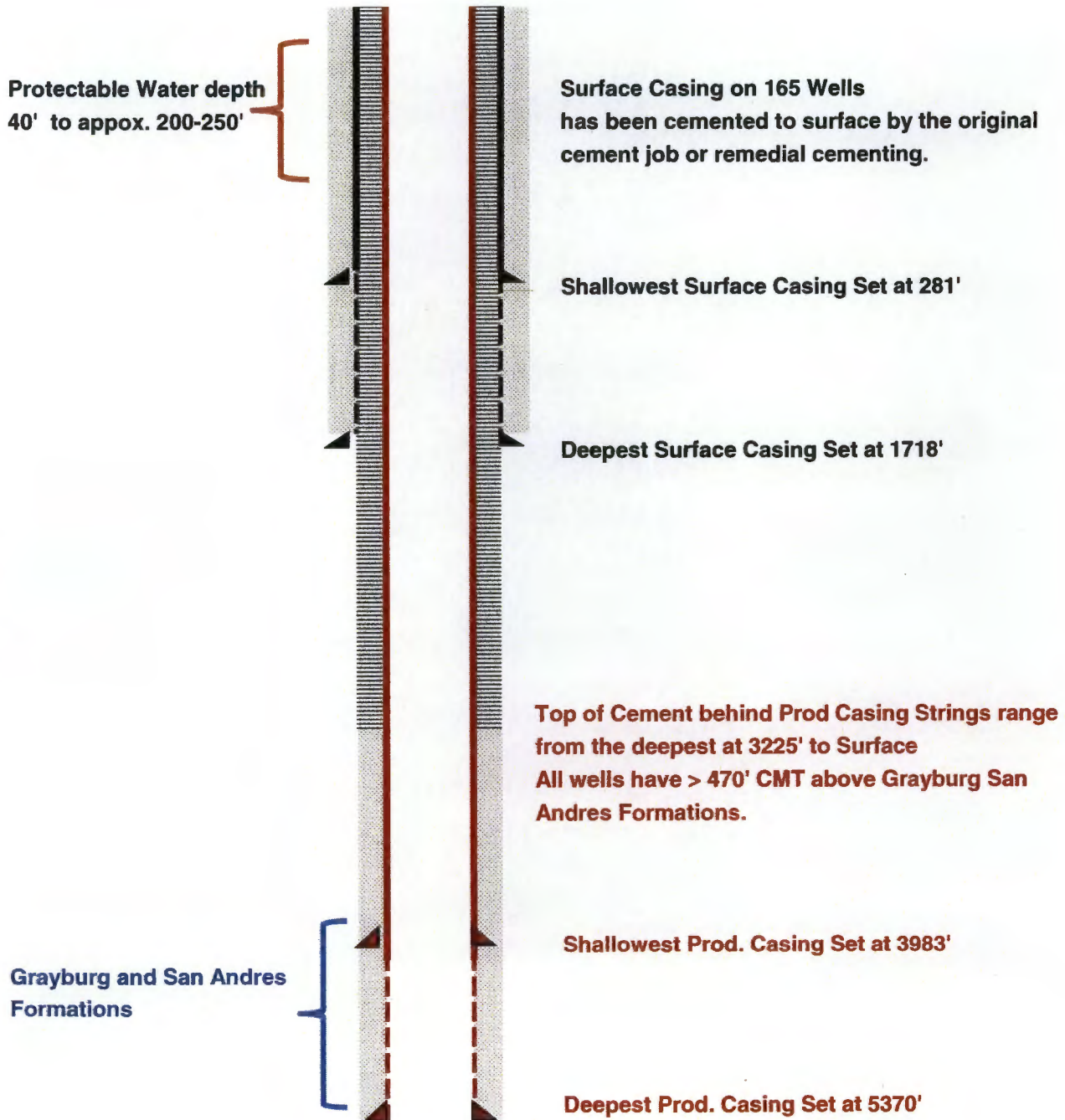
GROUP 3
Deep Wells with Surface, Intermediate and Production Casing
OCCIDENTAL PERMIAN LTD.
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. I/S	MS	FTG. E/W	EW	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	S.L. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
30-025-24005	OXY USA, Inc.	Conoco State	4	P	TA	688'	S	2111'	E	O	33	18S	38E	Jan-72	7,080'	17"	13 3/8"	378'	350	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	3,800' 7,080'	350 500	1,950' 3,400'	File T.S.	5,814'-6,961' Perf. Drinkard Comp.	TA'd w/CIBP @ 6,300' & CIBP @ 5,800' w/25' of cement on top.
30-025-24928	Texland Petroleum-Hobbs, LLC	W D Grimes NCT-B	8	P	Active	2115'	N	600'	E	H	33	18S	38E	Dec-74	7,100'	17 1/2"	13 3/8"	398'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	3,960' 7,100'	1,750 470	Surface * 2,510'	Circ. T.S.	6,656'-6,850' Perf. Drinkard Comp.	Blinebry perforations 5,728'-5,993' squeezed & abandoned.
*TOC behind 9 5/8" casing was initially @ 540". Cemented 9 5/8" casing from 540' to surface via 3/4" pipe w/150 sx. cement.																													
30-025-26368	Occidental Permian Ltd.	Slate HF Corn	1	P	Active	610'	S	610'	E	P	33	18S	38E	Jul-79	7,050'	17 1/2"	13 3/8"	385'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	4,260' 7,050'	1237 590	Surface 2,860'	Circ. T.S.	6,701'-6,922' Perf.	Drinkard Completion
30-025-26622	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	174	I	Active	2026'	S	516'	W	L	3	19S	38E	Mar-80	7,100'	17 1/2"	13 3/8"	393'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	4,300' 7,100'	1300 650	Surface 3,185'	Circ. T.S.	4,098'-4,225' Perf.	Drinkard perfs 6,665'-6,932' isolated below CIBP @ 6,600' Set 34 sx. cmt @ 5,818' & 4,618'. PBDT-4,600'
30-025-26623	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	170	I	Active	1980'	S	1832'	E	J	4	19S	38E	Jan-80	7,100'	17 1/2"	13 3/8"	395'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	4,302' 7,096'	1000 700	Surface 2,935'	Circ. T.S.	4,086'-4,209' Perf.	PBDT-4,209' Drinkard Perfs: 6,742'-6,894'
30-025-26647	Occidental Permian Ltd.	Byers "B"	35	P	TA	2030'	N	626'	E	H	4	19S	38E	Feb-80	7,097'	17 1/2"	13 3/8"	395'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	4,305' 7,097'	1050 800	Surface 2,180' *	Circ. Calc.	6,645'-6,975' Perf	TA'd w/CIBP @ 6,595'
*7" casing perforated @ 1,760-1,761 and cemented to surface w/275 sx.																													
30-025-26481	Occidental Permian Ltd.	Byers "A"	31	P	TA	660'	N	735'	W	D	3	19S	38E	Nov-79	7,350'	17 1/2"	13 3/8"	398'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	4,305' 7,350'	875 700	125' 4,285'	T.S. T.S.	6,681'-6,966' Perf. Drinkard TA'd w/CIBP @ 6,580'	Blinebry 5,738'-5,974' squeezed. Paddock-5,494'-5,520' squeezed. Yates 2,693'-2,902' squeezed.
30-025-26583	Occidental Permian Ltd.	Turner Tr. 2	31	P	Active	2055'	S	598'	W	L	34	18S	38E	Dec-79	7,112'	17 1/2"	13 3/8"	399'	450	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	4,305' 7,112'	1400 630	Surface 3,105'	Circ. T.S.	6,658'-6,962' Perf.	Hobbs-Drinkard completion
30-025-23195	Legacy Reserves Operating, LP	State A 33	12	P	Active	2175'	S	625'	W	L	33	18S	38E	Jun-69	7,018'	24" 12 1/2"	20" 9 5/8"	23' 3,750'	34 325	Surface 2,850'	Circ. T.S.	17 1/2" 8 3/4"	13 3/8" 7"	422' 3,701'	375 525	Surface 3,700'	Circ. T.S.	6,686'-6,946' Perf.	Hobbs-Drinkard Pool completion
30-025-23759	Oxy USA, Inc.	Conoco State	1	P	Active	1980'	N	2130'	E	G	33	18S	38E	Apr-71	7,075'	17"	13 3/8"	418'	410	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	3,799' 7,075'	350 900	1,089' 3,653'	Well File Well File	5,871'-6,029' Perf. 6,523'-6,975' Perf.	Well is a DHC completion in the Hobbs-Upper Blinebry & Hobbs-Drinkard Pools
30-025-23438	Texland Petroleum-Hobbs, LLC	W. D. Grimes NCT-B	7	P	Active	450'	N	2160'	E	B	33	18S	38E	Feb-70	7,100'	17 1/2"	13 3/8"	368'	400	Surface	Circ.	12 1/4" 8 3/4"	9 5/8" 7"	3,859' 7,099'	2000 485	Surface 3,635'	Circ. T.S.	5,836'-5,992' Perf.	Hobbs Upper-Blinebry Pool completion
30-025-28299	Texland Petroleum-Hobbs WD Grimes (NCT-B)		9	P	Active	510	N	660	E	A	33	18S	38E	Aug-83	7109'	15"	13 3/8"	415'	500	Surface	Circ	12/14" 7"	8 5/8" 5 1/2"	4289' 7109'	1740 1220	Surface	Circ.	6572' - 6852' Perfs.	Estimated Hole Sizes.

GROUP 4

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GROUP 4
SA/Grayburg Wells with Surface and Production Casing
166 Wells



GROUP 4
Wells with Surface and Production Casing
OCCIDENTAL PERMIAN LTD
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	WS	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS	
30-025-26974	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	432	I	Active	1400'	S	1300'	E	I	32	18S	38E	Oct-80	4,400'	24"	16"	40'	N/A	N/A	N/A	Circ.	4,074'-4,214' Perf. 1st Stage-700 sx. 2nd Stage-250 sx. No DV Tool depth shown in well file.	
30-025-34374	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	531	P	Active	2120'	S	1500'	E	J	32	18S	38E	Jun-98	4,400'	18"	14"	40'	50	Surface	Circ.	4,058'-4,257' Perf.		
30-025-34375	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	542	P	Active	1650'	S	630'	E	I	32	18S	38E	Jun-98	4,600'	18"	14"	40'	50	Surface	Circ.	4,060'-4,453' Perf.		
30-025-07542	Oxy USA, Inc.	State Land Section 32	8	P	TA	1980'	S	660'	E	I	32	18S	38E	Jun-48	3,192'	11"	8 5/8"	300'	125	Surface	Circ.	3,124'-3,192' O.H.	Bowers-Seven Rivers. CIBP @ 3,050'	
30-025-28411	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	142Z	I	Active	1250'	S	185'	W	M	33	18S	38E	Nov-83	4,370'	20"	16"	40'	N/A	N/A	N/A	Circ.	4,050'-4,270' Perf. DV Tool set @ 3,122'	
30-025-34980	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	513	P	Active BHL	1659' 1676'	S	918' 663'	W	L	33	18S 18S	38E 38E	Apr-00	4,373'	18"	14"	40'	50	Surface	Circ.	4,074'-4,286' Perf.		
30-025-26834	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	232	I	Active	1595'	S	1370'	W	K	33	18S	38E	Aug-80	4,453'	20"	16"	40'	40	Surface	Circ.	4,044'-4,258' Perf.		
30-025-29275	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	234	P	Active	1372'	S	2563'	W	K	33	18S	38E	Jun-85	4,373'	17 1/2"	13 3/8"	40'	50	Surface	Circ.	4,046'-4,251' Perf.		
30-025-34373	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	534	I	Active	2415'	S	2200'	E	J	33	18S	38E	Jul-98	4,402'	18"	14"	40'	50	Surface	Circ.	4,039'-4,224' Perf. 1st Stage-115 sx. 2nd Stage-625 sx. DV Tool set @ 3,491'		
30-025-34416	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	545	P	Active BHL	1925' 1996'	N	2100' 1406'	E	G	33	18S 18S	38E 38E	Jul-98	4,558'	18"	14"	40'	50	Surface	Circ.	4,160'-4,374' Perf.		
30-025-27169	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	322G	I	Active	1385'	N	1820'	E	G	33	18S	38E	Dec-80	4,510'	12 1/4"	8 5/8"	1,600'	850	Surface	Calc.	4,058'-4,270' Perf.		
30-025-29932	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	412	P	Active BHL	1973' 1175'	N	530' 850'	E	H	33	18S 18S	38E 38E	Jun-87	4,436'	16"	14"	55'	N/A	N/A	N/A	Circ.	4,148'-4,312' Perf.	
30-025-34994	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	631	I	Active BHL	490' 838'	N	2325' 1526'	E	B	33	18S 18S	38E 38E	Jul-00	4,500'	18"	14"	40'	50	Surface	Circ.	4,218'-4,369' Perf. 1st stage-150 sx. 2nd stage-800 sx. DV Tool depth not show in well file.		
30-025-28267	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	342	I	Active BHL	125' 37'	S	2730' 2699'	W	O	33	18S 18S	38E 38E	Oct-83	4,380'	20"	16"	40'	40	Surface	Circ.	4,068'-4,256' Perf.		
30-025-29199	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	312	P	Active BHL	151' 10'	N	1702' 1330'	E	B	33	18S 18S	38E 38E	May-85	4,428'	17 1/2"	13 3/8"	40'	N/A	N/A	N/A	Circ.	3,945'-4,297' Perf.	
30-025-29677	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	210	P	TA BHL	721' 1310'	N	569' 660'	W	D	34	18S 18S	38E 38E	Aug-07	4,380'	22"	16"	40'	2.5 yd.	Surface	Circ.	4,185'-4,360' Perf. TA'd w/CIBP @ 4000' + 6 sx. cement		
30-025-12495	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	231	P	TA	1350	S	1350	W	K	27	18S	38E	Jul-37	4375'	13 3/8"	9 5/8"	1718'	450	Surface	Circ.	4,086'-4375' Perf. TA'd w/ CIBP @ 4050' +35' of cement Estimated Hole Sizes		
30-025-28968	Occidental Permian Ltd.	S. Hobbs COOP	9	I	Active	717	N	651'	W	C	34	18S	38E	Mar-91	4491'	18"	14"	40'	850	Surface	Circ.	4290-4472' Perf 5 1/2" packer set @ 4207'		
30-025-35342	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	240	P	Active	837'	S	1611	W	N	34	18S	38E	Oct-34	4315	12 1/4"	8 5/8"	1565'	725	Surface	Circ.	4,110-4248' Perf Perf's squeezed 4082-88 w/ 75 sxs cement		
30-025-31211	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	225	P	Active	683	S	5	W	M	34	18S	38E	May-91	4377'	13 3/8"	7"	4377'	1450	Surface	Circ.	4,118-4310' Perf Perf's 4056-4092', squeezed in '92 and resqueezed in '93		
30-025-28410	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	233	P	Active	2380	S	2472	W	C	33	18S	38E	Dec-83	4350'	12 1/4"	8 5/8"	1582'	750	Surface	Circ.	4,053-4246' Perf DV Tool @ 3046'		
30-025-37266	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	243	P	Active	1660	N	2106	W	F	4	19S	38E	Jul-08	4368	12 1/4"	8 5/8"	1508'	750	Surface	Circ.	4,104'-4262' DV Tool @ 3395'		
30-025-31419	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	232	P	Active	1710'	N	1630'	W	G	4	19S	38E	Nov-91	4304'	13 3/8"	5 1/2"	4304'	1025	Surface	Circ.	4,087-4262'		
30-025-28357	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	154	P	Active	1163	N	2600	E	B	9	19S	38E	Aug-83	4315'	18"	14"	40'	2.5 yd.	Surface	Circ.	4,161'-4,226' Perf. PB @ 4267 Estimated Hole Sizes		
30-025-29522	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	209	I	Active	265	N	1090	W	D	8	19S	38E	Jan-86	4145'	20"	14"	40'	13	Surface	Circ.	4,060'-4,140' Perf.		
30-025-07652	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	61	I	TA	330'	N	330	E	A	8	19S	38E	Dec-46	4220'	11"	8 5/8"	1598'	300	Surface	Circ.	3992-4182'		
Squid Perfs: 4078-86', 4105-10'																								
30-025-12512	Xeric Oil & Gas Corp.	Mexico "U"	1	P	SI	330'	N	1650'	E	B	8	19S	38E	Nov-53	4,075'	11"	8 5/8"	1,590'	600	Surface	Circ.	3,827'-3,953' Perf PBTD-3,991'. Intent to PA filed 11/10/05		

GROUP 4

Wells with Surface and Production Casing

OCCIDENTAL PERMIAN LTD

AREA OF REVIEW WELL DATA

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. NS	NS	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS							
* 1/2" casing perforated @ 2,500' and squeeze cemented w/200 sx. 5 1/2" casing perforated @ 1,625' and cemented to surface w/400 sx.																														
30-025-07653	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	119	I	TA	330'	N	2310'	W	C	8	19S	38E	Sep-53	4,110'	11"	8 5/8"	281'	250	Surface	Circ.	7 7/8"	5 1/2"	4,010'	350	2,852' *	File	4,010'-4,110' O.H.	TA'd w/Packer @ 3,911'. Some data obtained from PMX-139.	
* 5 1/2" casing stage cemented. 1st stage-200 sx. 2nd stage-150 sx. Well file does not indicate setting depth of DV Tool.																														
30-025-29460	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	203	P	TA	1568'	S	248'	W	L	5	19S	38E	Nov-85	4,094'	26"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,590'	1100	Surface	Circ.	3,976'-4,078' Perf.	TA'd w/CIBP @ 3,925'.
30-025-29412	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	205	P	TA	330'	S	1650'	W	N	5	19S	38E	Dec-85	4,095'	20"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,613'	1075	Surface	Circ.	4,000'-4,093' Perf.	TA'd w/CIBP @ 3,904'.
30-025-07533	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	241	P	Active	990'	S	2310'	W	N	32	18S	38E	Dec-48	4,270'	17 1/4"	13 3/8"	328'	325	Surface	Circ.	8 3/4"	7"	4,099'	825	2,150' *	T.S.	4,068'-4,082' Perf.	Byers-Seven Rivers completion 3,650'-4,099'-4,236' O.H. 3,730' squeezed & abandoned.	
* 7" casing perforated @ 2,100' and cemented w/600 sx. TOC by T.S. @ 1,450'. 7" casing perforated @ 1,398' and cemented w/400 sx.																														
30-025-31933	DC Energy, LLC	Mexico "U"	4	P	Active	990'	N	1650'	E	B	8	19S	38E	Apr-93	4,100'	12 1/4"	8 5/8"	413'	250	Surface	Circ.	7 7/8"	5 1/2"	4,100'	1100	Surface	Circ.	4,024'-4,058' Perf.		
30-025-29459	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	201	P	TA	2310'	N	1028'	E	H	6	19S	38E	Nov-85	4,108'	18"	14"	40'	2.75 yd	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,591'	875	Surface	Circ.	3,981'-4,088' Perf.	TA'd w/CIBP @ 3,951'
30-025-12513	DC Energy, LLC	Mexico "U"	2	P	Active	1650'	N	1650'	E	G	8	19S	38E	Feb-59	4,164'	11"	8 5/8"	421'	225	Surface	Circ.	7 7/8"	5 1/2"	4,111'	300	2,511'	Calc.	4,079'-4,100' Perf.	4,111'-4,164' O.H.	
30-025-20047	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	91	P	TA	990'	S	330'	E	P	9	19S	38E	Jan-63	4,203'	11"	8 5/8"	402'	225	Surface	Circ.	7 7/8"	4 1/2"	4,114'	320	2,816' *	Calc.	4,056'-4,107' Perf.	TA'd w/CIBP @ 4,000'	
* 4 1/2" casing perforated @ 1,600' and cemented w/300 sx. Cemented down bradenhead w/300 sx. cement. TOC @ 4' from surface.																														
30-025-29411	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	204	P	TA	330'	S	330'	W	M	5	19S	38E	Dec-85	4,146'	20"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,616'	1050	Surface	Circ.	4,040'-4,130' Perf.	TA'd w/CIBP @ 3,990'.
30-025-20167	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	90	I	TA	890'	S	1650'	E	O	9	19S	38E	Jul-63	4,249'	11"	8 5/8"	400'	225	Surface	Circ.	7 7/8"	4 1/2"	4,150'	275	3,035'	Calc.	4,075'-4,135' Perf.	TA'd w/Packer @ 3,955'	
30-025-23415	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	86	P	Active	2310'	S	1650'	W	K	10	19S	38E	Dec-69	4,219'	12 1/4"	8 5/8"	306'	225	Surface	Circ.	7 7/8"	5 1/2"	4,219'	450	1,819' *	Calc.	3,992'-4,218' Perf.		
* 5 1/2" casing cut @ 680' and new 5 1/2" casing run from 680' to surface. Pumped 50 sx. down 8 5/8" bradenhead.																														
30-025-25127	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	112	I	Active	585'	S	710'	W	M	3	19S	38E	Oct-75	4,265'	12 1/4"	8 5/8"	375'	300	Surface	Circ.	7 7/8"	4 1/2"	4,265'	1600	Surface	Circ.	4,124'-4,228' Perf.	5 1/2" csq. stage cmt. 1st stage-150 sx. 2nd stage-1450 sx. DV Tool @ 3,500'	
* 5 1/2" casing perforated @ 1,485' and cemented to surface w/250 sx.																														
30-025-24447	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	192	I	Active	990'	S	1750'	E	O	5	19S	38E	Jun-73	4,280'	12 1/4"	8 5/8"	1,484'	750	Surface	Circ.	7 7/8"	5 1/2"	4,280'	430	2,200' *	File	4,076'-4,219' Perf.		
30-025-23530	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	21	P	TA	663'	N	1935'	W	C	3	19S	38E	Jul-70	4,320'	12 1/4"	8 5/8"	303'	200	Surface	Circ.	7 7/8"	5 1/2"	4,283'	675	683"	Calc.	4,007'-4,276' Perf.	TA'd w/CIBP @ 3,899'	
* 5 1/2" casing cemented to surface from a depth of approximately 585'. Amount of cement not indicated in well file.																														
30-025-31428	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	234	P	TA	2480'	N	1800'	W	F	4	19S	38E	Dec-91	4,297'	14 3/4"	10 3/4"	1,435'	1100	Surface	Circ.	9 7/8"	7"	4,293'	1600	Surface	Circ.	4,085'-4,242" Perf.	CIBP @ 4,035"	
30-025-31429	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	236	P	Active	1403'	S	1746'	W	K	4	19S	38E	Nov-91	4,294'	14 3/4"	10 3/4"	1,517'	1100	Surface	Circ.	9 7/8"	7"	4,294'	1400	Surface	Circ.	4,089'-4,208" Perf.		
30-025-28343	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	140	P	Active	1485'	S	1245'	W	L	4	19S	38E	Nov-83	4,300'	17 1/2"	14"	40'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,507'	875	Surface	Circ.	4,089'-4,228' Perf.	
30-025-31424	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	238	I	Active	660'	S	2610'	E	O	4	19S	38E	Dec-91	4,296'	12 1/4"	8 5/8"	1,495'	1000	Surface	Circ.	7 7/8"	5 1/2"	4,296'	1200	Surface	Calc.	4,136'-4,254' Perf.		
30-025-31423	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	235	I	Active	2160'	S	2414'	W	K	4	19S	38E	Nov-91	4,297'	12 1/4"	8 5/8"	1,503'	1000	Surface	Circ.	7 7/8"	5 1/2"	4,297'	1200	Surface	Circ.	4,093'-4,227' Perf.		
30-025-28345	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	142	P	Active	1310'	S	1370'	E	O	4	19S	38E	Oct-83	4,298'	17 1/2"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,521'	875	Surface	Circ.	4,101'-4,228' Perf.	5 1/2" csq. stage cmt. 1st stage-300 sx. 2nd stage-1725 sx. DV Tool @ 3,453'
30-025-31430	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	237	P	TA	1300'	S	1910'	E	O	4	19S	38E	Nov-91	5,200'	14 3/4"	10 3/4"	1,515'	1100	Surface	Circ.	9 7/8"	7"	4,298'	1500	Surface	Circ.	4,124'-4,260" Perf.	PBTD-CIBP @ 4,070' w/24' of cement Perfs sq w/210 sx. 20 sx @ 5,073'. 30 sx @ 4,248'	
* 5 1/2" casing stage cemented w/DV Tool @ 1,626'. 1st Stage-215 Sx. TOC @ 3,153' by calculation. 2nd Stage-100 Sx. TOC @ 1,093' by calculation.																														
30-025-07632	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	50	I	TA	990'	S	990'	W	M	5	19S	38E	Aug-53	4,300'	11"	8 5/8"	332'	200	Surface	Circ.	7 7/8"	5 1/2"	4,299'	315	3,153' *	Calc.	3,998'-4,080' Perf.		
30-025-28976	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	178	P	Active	862'	N	1745'	W	C	5	19S	38E	Nov-84	4,299'	20"	14"	40'	4.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,486'	825	Surface	Circ.	4,068'-4,253' Perf.	
30-025-28984	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	193	I	Active	945'	S	270'	E	P	5	19S	38E	Nov-84	4,300'	26"	14"	40'	4.25 yd	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,450'	875	Surface	Circ.	4,124'-4,230' Perf.	
30-025-35452	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	834	P	TA	962'	S	2365'	E	O	32	18S	38E	Apr-01	4,300'	18"	14"	40'	50	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,511'	850	Surface	Circ.	4,050'-4,235' Perf.	5 1/2" csq. stage cmt. 1st stage-250 sx. TA-CIBP @ 4,020' 2nd stage-600 sx. DV Tool @ 3,510'
30-025-29082	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	190	P	Active	1568'	S	1105'	E	I	5	19S	38E	Dec-84	4,300'	26"	14"	40'	4.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,520'	875	Surface	Circ.	4,084'-4,208' Perf.	
30-025-28356	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	153	P	Active	1105'	N	1485'	W	C	9	19S	38E	Sep-83	4,300'	20"	14"	30'	1.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	5 1/2"	1,524'	1000	Surface	Circ.	4,152'-4,247' Perf.	5 1/2" csq. stage cmt. 1st stage-350 sx. 2nd stage-1250 sx. DV Tool @ 3,371'

GROUP 4

Wells with Surface and Production Casing

Occidental Permian Ltd

Area of Review Well Data

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. WS	NS	FTG. EW	EW	UNIT	SEC	TSHP	RNG	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	COMPLETION	REMARKS	
J0-025-28335	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	131	P	Active	1383'	N	2498'	E	G	4	19S	38E	Oct-83	4,300'	17 1/2"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,525'	925	Surface	Circ.	4,062'-4,203' Perf.	5 1/2" csg. stage cmt. 1st stage-400 sx. 2nd stage-1325 sx. DV Tool @ 3,290'
30-025-28350	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	147	P	Active	70'	N	2570'	W	C	9	19S	38E	Oct-83	4,300'	20"	14"	40'	3 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,529'	875	Surface	Circ.	4,123'-4,256' Perf.	5 1/2" csg. stage cmt. 1st stage-200 sx. 2nd stage-1050 sx. DV Tool @ 3,457'
30-025-28544	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	171	I	TA	710'	N	640'	W	D	9	19S	38E	Feb-84	4,300'	20"	14"	38'	8	Surface	Circ.	12 1/4"	8 5/8"	1,532'	875	Surface	Circ.	4,152'-4,196' Perf.	TA'd w/Packer @ 3,990'
30-025-28344	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	141	P	Active	1478'	S	2595'	W	K	4	19S	38E	Sep-83	4,300'	17 1/2"	14"	31'	54	Surface	Circ.	12 1/4"	8 5/8"	1,541'	1175	Surface	Circ.	4,104'-4,231' Perf.	5 1/2" csg. stage cmt. 1st stage-285 sx. 2nd stage-1250 sx. DV Tool @ 3,396'
30-025-30954	Xeric Oil & Gas Corp.	Mexico "U"	3	P	SI	590'	N	2310'	E	B	8	19S	38E	Sep-90	4,300'	12 1/4"	8 5/8"	1,546'	740	Surface	Circ.	7 7/8"	5 1/2"	4,300'	525	1,500'	Calc.	4,055'-4,093' Perf.	
30-025-29054	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	194	P	Active	330'	S	2310'	E	O	5	19S	38E	Dec-84	4,300'	26"	14"	40'	5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,550'	875	Surface	Circ.	4,126'-4,240' Perf.	
30-025-28985	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	195	P	TA	330'	S	990'	E	P	5	19S	38E	Oct-84	4,300'	26"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,550'	875	Surface	Circ.	4,124'-4,234' Perf.	TA'd w/ CIBP @ 4,075'
30-025-29520	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	207	I	Active	1944'	S	624'	W	L	5	19S	38E	Dec-85	4,300'	20"	14"	40'	2.75 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,578'	1075	Surface	Circ.	4,112'-4,210' Perf.	
30-025-29521	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	208	I	Active	931'	S	2263'	W	N	5	19S	38E	Dec-85	4,300'	20"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,592'	1050	Surface	Circ.	4,135'-4,238' Perf.	5 1/2" csg. stage cmt. 1st stage-150 sx. 2nd stage-1050 sx. DV Tool @ 3,800'
30-025-29519	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	206	I	TA	1640'	N	280'	E	H	6	19S	38E	Nov-85	4,300'	20"	14"	40'	4.75 yd	Surface	Circ.	12 1/4"	8 5/8"	1,598'	975	Surface	Circ.	4,170'-4,230' Perf.	TA'd w/Packer @ 4,090'
30-025-28361	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	158	P	TA	1245'	N	2475'	W	C	10	19S	38E	Oct-83	4,300'	20"	14"	40'	Unk	Unk	N/A	12 1/4"	8 5/8"	1,621'	875	Surface	Circ.	4,030'-4,232' Perf.	TA'd w/ CIBP's @ 4,100' & 4,000'
30-025-28366	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	163	P	TA	2475'	S	2475'	W	K	10	19S	38E	Nov-83	4,300'	20"	14"	40'	3 yd	Surface	Circ.	12 1/4"	8 5/8"	1,635'	875	Surface	Circ.	4,178'-4,212' Perf.	TA'd w/ CIBP @ 4,065'
30-025-28334	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	130	P	Active	1403'	N	1403'	W	F	4	19S	38E	Oct-83	4,305'	17 1/2"	14"	40'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,495'	875	Surface	Circ.	4,070'-4,244' Perf.	5 1/2" csg. stage cmt. 1st stage-375 sx. 2nd stage-1225 sx. DV Tool @ 3,374'
30-025-28360	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	157	P	Active	1245'	N	1245'	W	D	10	19S	38E	Nov-83	4,301'	20"	14"	40'	Unk	Unk	N/A	12 1/4"	8 5/8"	1,524'	875	Surface	Circ.	4,092'-4,224' Perf.	
30-025-28338	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	135	P	Active	2558'	N	1353'	W	F	4	19S	38E	Oct-83	4,302'	17 1/2"	14"	37'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,501'	875	Surface	Circ.	3,907'-3,956' Perf.	5 1/2" csg. stage cmt. 1st stage-350 sx. 2nd stage-1875 sx. DV Tool @ 3,415'
30-025-28355	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	152	I	Active	623'	N	632'	E	A	9	19S	38E	Oct-83	4,306'	20"	14"	40'	3.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,512'	865	Surface	Circ.	4,120'-4,232' Perf.	5 1/2" csg. stage cmt. 1st stage-1150 sx. 2nd stage-230 sx. DV Tool @ 1,419'
30-025-28349	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	146	P	Active	75'	N	1205'	W	D	9	19S	38E	Nov-83	4,304'	12 1/4"	8 5/8"	1,526'	875	Surface	Circ.	7 7/8"	5 1/2"	4,302'	1575	Surface	Circ.	4,110'-4,236' Perf.	
30-025-30486	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	223	P	Active	1257'	S	1791'	W	N	34	18S	38E	Nov-88	4,307'	26"	16"	40'	Unk	Unk	N/A	14 3/4"	10 3/4"	1,634'	1100	Surface	Circ.	4,160'-4,288' Perf.	
30-025-31422	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	233	I	Active	2245'	N	2420'	E	G	4	19S	38E	Dec-91	4,303'	12 1/4"	8 5/8"	1,509'	1000	Surface	Circ.	7 7/8"	5 1/2"	4,303'	1100	Surface	Circ.	4,086'-4,183' Perf.	
30-025-30981	Bradley McInroe d/b/a Big Al Oil & Gas	State Land Sec 9	2	P	Active	780'	S	1980'	W	N	9	19S	38E	Dec-91	4,314'	12 1/4"	8 5/8"	408'	250	Surface	Circ.	7 7/8"	5 1/2"	4,304'	1075	Surface	Calc.	2,826'-2,926' Perf.	Yates completion. Gb/SA Perfs 4,141'-3,362'-3,401' Perf.
30-025-31427	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	231	P	Active	1562'	N	2100'	W	F	4	19S	38E	Nov-91	4,305'	14 3/4"	10 3/4"	1,593'	1100	Surface	Circ.	9 7/8"	7"	4,305'	1400	Surface	Circ.	3,900'-3,982' Perf.	CIBP @ 4,000'
30-025-30487	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	224	P	Active	625'	N	1530'	E	B	4	19S	38E	Nov-88	4,306'	26"	16"	40'	3.5 yd	Surface	Circ.	14 3/4"	10 3/4"	1,544'	1000	Surface	Circ.	4,000'-4,040' Perf.	
30-025-28543	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	172	I	Active	1980'	N	635'	E	H	9	19S	38E	Feb-84	4,300'	20"	14"	38'	8	Surface	Circ.	12 1/4"	8 5/8"	1,560'	875	Surface	Circ.	4,144'-4,226' Perf.	
30-025-07634	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	39	I	Active	1980'	S	660'	W	L	5	19S	38E	Jun-53	4,310'	11"	8 5/8"	294'	250	Surface	Circ.	7 7/8"	5 1/2"	4,307'	315	3,161'*	Calc.	4,001'-4,051' Perf.	FBTD-4,072'
"5 1/2" casing stage cmt. w/DV Tool @ 1,621'. 1st Stage-215 Sx. TOC @ 3,161' by calculation. 2nd Stage-100 Sx. TOC @ 1140' by T.S. 5 1/2" casing perforated @ 350' and squeeze cmt. w/250 sx. 5 1/2" casing perforated @ 350' and cmt. to sur. w/300 sx.																													
30-025-07633	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	51	I	TA	990'	S	2310'	W	N	5	19S	38E	Jul-53	4,313'	11"	8 5/8"	297'	250	Surface	Circ.	7 7/8"	5 1/2"	4,307'	305	3,214'*	Calc.	3,983'-4,110' Perf.	TA'd w/CIBP @ 3,968'
"5 1/2" casing stage cemented w/DV Tool @ 1,505'. 1st Stage-205 Sx. TOC @ 3,214' by calculation. 2nd Stage-100 Sx. TOC @ 972' by calculation.																													
30-025-28340	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	137	P	Active	2458'	S	1180'	E	I	4	19S	38E	Nov-83	4,310'	17 1/2"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,551'	875	Surface	Circ.	4,086'-4,230' Perf.	
30-025-28304	Occidental Permian Ltd.	S. Hobbs G/SA COOP	1	I	TA	200'	N	1380'	E	B	6	19S	38E	Sep-83	4,312'	20"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,505'	1100	Surface	Circ.	4,167'-4,239' Perf.	5 1/2" csg. stage cmt. 1st stage-250 sx. 2nd stage-900 sx. DV Tool @ 3,415'
30-025-07670	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	71	I	TA	1650'	N	990'	W	E	9	19S	38E	Sep-53	4,310'	11"	8 5/8"	302'	150	Surface	Calc.	7 7/8"	5 1/2"	4,309'	420	2,603'/1105'	Calc.	4,004'-4,243' Perf.	5 1/2" csg. stage cmt. 1st stage-320 sx. 2nd stage-100 sx. DV Tool @ 1,638'

GROUP 4

Wells with Surface and Production Casing

Occidental Permian Ltd

Area of Review Well Data

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS		
30-025-07667	Occidental Permian Ltd	S. Hobbs G/SA Ut.	72	I	TA	1650'	N	2310'	W	F	9	19S	38E	Jul-53	4,310'	4,310'	11"	8 5/8"	304'	140	Surface	Circ.	2,739/1105'	4,155'-4,230' Perf. TA'd Pkr. @ 3,914'	5 1/2" csg. stage cmt. 1st stage-320 sx. 2nd stage-100 sx. DV Tool @ 1,638'
30-025-31420	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	229	I	Active	1088'	N	1977'	W	C	4	19S	38E	Nov-91	4,310'	4,310'	12 1/4"	8 5/8"	1,458'	1000	Surface	Circ.	4,068'-4,233' Perf.		
30-025-29891	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	220	P	Active BHL	1425' 550'	N	1480' 1400'	W	F C	4 4	19S 19S	38E 38E	May-87	4,479'	4,479'	26"	16"	41'	3,75 yd	Surface	Circ.	4,202'-4,390' Perf. Surface*	5 1/2" csg. stage cmt. 1st stage-250 sx. DV Tool @ 3,913' would not open.	
*7" casing perforated at 3,250' and cemented w/200 Sx. 7" casing perforated @ 1,350' and cemented to surface w/368 sx.																									
30-025-29730	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	214	P	Active	1720'	N	549'	W	E	4	19S	38E	Sep-86	4,310'	4,310'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,073'-4,278' Perf. Surface	5 1/2" csg. stage cmt. 1st stage-100 sx. 2nd stage-700 sx. DV Tool @ 3,795'	
30-025-31212	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	228	P	Active	660'	N	1140'	W	D	5	19S	38E	Jun-91	4,310'	4,310'	14 3/4"	10 3/4"	1,618'	1100	Surface	Calc.	3,896'-4,197' Perf. Surface		
30-025-28979	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	181	P	Active BHL	1120' 1308'	N	1275' 1321'	E	A B	5 5	19S 19S	38E 38E	Oct-84	4,315'	4,315'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,064'-4,206' Perf. Surface*	4,064'-4,206' Perf. Calc./Circ.	
*5 1/2" csg. did not circulate to surface during initial well drilling. 5 1/2" csg. perforated @ 1,500'-1,501' and cemented to surface w/300 sx.																									
30-025-29085	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	189	P	Active BHL	1685' 1501'	S	2475' 2462'	E	J J	5 5	19S 19S	38E 38E	Jan-85	4,315'	4,315'	26"	14"	40'	5 yd.	Surface	Circ.	4,112'-4,228' Perf. Surface	5 1/2" csg. stage cmt. DV Tool @ 3,494'	
30-025-28341	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	138	P	Active BHL	2490' 2628'	S	173' 47'	E	I I	4 4	19S 19S	38E 38E	Dec-83	4,315'	4,315'	17 1/2"	8 5/8"	5 1/2"	2 yd.	Surface	Circ.	4,090'-4,290' Perf. Surface		
30-025-28363	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	160	P	Active	2475'	N	2425'	E	G	9	19S	38E	Sep-83	4,315'	4,315'	20"	14"	40'	3 yd.	Surface	Circ.	4,175'-4,252' Perf. Surface	5 1/2" csg. stage cmt. 1st stage-200 sx. 2nd stage-1450 sx. DV Tool @ 3,386'	
30-025-28977	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	179	P	Active BHL	1488' 1351'	N	2490' 2465'	W	F F	5 5	19S 19S	38E 38E	Nov-84	4,316'	4,316'	20"	14"	40'	6.5 yd.	Surface	Circ.	4,068'-4,198' Perf. Surface		
30-025-31421	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	230	I	Active	1100'	N	2220'	E	B	4	19S	38E	Nov-91	4,317'	4,317'	12 1/4"	8 5/8"	1,485'	1000	Surface	Circ.	4,070'-4,215' Perf. Surface		
30-025-28973	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	175	P	TA BHL	1010' 924'	N	820' 938'	E	A A	6 6	19S 19S	38E 38E	Nov-84	4,319'	4,319'	26"	14"	40'	5 yd.	Surface	Circ.	3,958'-4,274' Perf. Surface	TA'd w/OIBP @ 3,800'	
30-025-28362	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	159	P	TA	2335'	N	1675'	W	F	9	19S	38E	Sep-83	4,321'	4,321'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,060'-4,196' Perf. Surface	5 1/2" csg. stage cmt. 1st stage-150 sx. 2nd stage-1150 sx. DV Tool @ 3,387'	
30-025-28339	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	136	P	Active BHL	2490' 2630'	N	2504' 2604'	W	F F	4 4	19S 19S	38E 38E	Nov-83	4,322'	4,322'	17 1/2"	14"	40'	2 yd.	Surface	Circ.	4,090'-4,236' Perf. Surface		
30-025-29084	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	185	P	Active BHL	2564' 2,661'	N	1200' 1312'	E	H I	5 5	19S 19S	38E 38E	Jan-85	4,324'	4,324'	26"	14"	39'	4.5 yd.	Surface	Circ.	4,086'-4,204' Perf. T.S. 535'		
*Ran 1" pipe and cemented 8 5/8" csg. to surface w/106 sx.																									
30-025-28359	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	156	P	Active BHL	1370' 1343'	N	330' 52'	E	H H	9 9	19S 19S	38E 38E	Dec-83	4,324'	4,324'	20"	14"	40'	Unk.	Unk.	N/A	4,140'-4,276' Perf. Surface		
30-025-28982	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	188	P	Active BHL	1493' 1467'	S	1802' 1518'	W	K K	5 5	19S 19S	38E 38E	Dec-84	4,325'	4,325'	26"	14"	40'	4 yd.	Surface	Circ.	4,139'-4,289' Perf. Surface		
30-025-28983	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	191	P	Active BHL	1585' 1603'	S	395' 236'	W	L L	4 4	19S 19S	38E 38E	Oct-84	4,326'	4,326'	17 1/2"	14"	40'	4 yd.	Surface	Circ.	4,102'-4,210' Perf. Surface		
30-025-29752	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	213	I	Active BHL	890' 685'	N	1275' 1393'	E	A B	5 5	19S 19S	38E 38E	Oct-86	4,329'	4,329'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,078'-4,227' Perf. Surface		
30-025-28975	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	177	P	Active BHL	592' 665'	N	416' 725'	W	D D	5 5	19S 19S	38E 38E	Oct-84	4,330'	4,330'	26"	14"	40'	4 yd	Surface	Circ.	4,105'-4,211' Perf. Surface		
30-025-28346	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	143	P	Active BHL	1160' 1305'	S	330' 5'	E	P P	4 4	19S 19S	38E 38E	Nov-83	4,334'	4,334'	17 1/2"	14"	40'	3.5 yd.	Surface	Circ.	4,122'-4,310' Perf. Surface		
30-025-28365	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	162	P	Active BHL	2630' 2600'	N	395' 1'	E	H H	9 9	19S 19S	38E 38E	Dec-83	4,335'	4,335'	20"	14"	40'	Unk.	Unk.	N/A	4,170'-4,262' Perf. Surface		
30-025-35305	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	242	P	Active BHL	1556' 1306'	N	1102' 599'	E	H A	5 5	19S 19S	38E 38E	Dec-00	4,342'	4,342'	18"	14"	40'	50	Surface	Circ.	4,108'-4,269' Perf. Surface	5 1/2" csg. stage cmt. 1st stage-200 sx. 2nd stage-1400 sx. DV Tool @ 3,496'	
30-025-28358	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	155	P	Active BHL	1158' 1324'	N	1588' 1239'	E	B H	9 9	19S 19S	38E 38E	Nov-83	4,342'	4,342'	20"	14"	40'	3 yd.	Surface	Circ.	4,150'-4,320' Perf. Surface		
30-025-29753	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	215	I	Active BHL	1398' 993'	N	1227' 1222'	W	E D	4 4	19S 19S	38E 38E	Oct-86	4,343'	4,343'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,110'-4,280' Perf. Surface	5 1/2" csg. stage cmt. 1st stage-110 sx. 2nd stage-700 sx. DV Tool @ 3,821'	
30-025-28362	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	149	P	Active BHL	150' 23'	N	380' 9'	E	A A	9 9	19S 19S	38E 38E	Dec-83	4,343'	4,343'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,154'-4,278' Perf. Surface		
30-025-28974	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	176	I	Active	1200'	N	213'	E	A	6	19S	38E	Nov-84	4,344'	4,344'	26"	14"	40'	5 yd.	Surface	Circ.	4,181'-4,221' Perf. Surface	PBTD-4,236'	

GROUP 4

Wells with Surface and Production Casing

OCCIDENTAL PERMIAN LTD

AREA OF REVIEW WELL DATA

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. MS	NS	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
					BHL	1151'	N	129'	W	D	5	19S	38E				7 7/8"	5 1/2"	4.344'	750	Surface	Circ.	
30-025-28336	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	132	P	Active BHL	1790' 1400'	N	1185' 1236'	E	H	4	19S 19S	38E 38E	Dec-83	4,345'	17 1/2"	14"	40'	2 yd.	Surface	Circ.	4,104'-4,300' Perf.	
30-025-29756	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	218	I	Active BHL	652' 985'	N	563' 280'	E	A	4	19S 19S	38E 38E	Nov-86	4,346'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,106'-4,282' Perf.	
30-025-28364	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	161	P	TA	2630'	N	1331'	E	G	9	19S	38E	Nov-83	4,345'	20"	14"	40'	3 yd.	Surface	Circ.	4,034'-4,205' Perf.	TA'd w/CIBP @ 3,985'
30-025-28333	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	129	I	Active BHL	100' 3'	S	900' 1322'	W	M	34 34	18S 18S	38E 38E	Oct-83	4,345'	20"	14"	38'	2.5 yd.	Surface	Circ.	4,143'-4,277' Perf.	PBTD-4,280'
30-025-28969	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	10	I	Active BHL	2564' 2631'	S	1607' 1316'	W	K	34 34	18S 18S	38E 38E	Oct-84	4,345'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,141'-4,201' Perf.	PBTD-4,263'
30-025-28351	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	148	P	Active BHL	192' 0'	N	990' 1305'	E	A	9	19S 19S	38E 38E	Nov-83	4,346'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,160'-4,280' Perf.	
30-025-28353	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	150	P	Active BHL	330' 27'	N	1220' 1303'	W	D	10 3	19S 19S	38E 38E	Nov-83	4,349'	20"	14"	40'	Unk.	Unk.	Circ.	4,110'-4,290' Perf.	
30-025-29757	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	219	I	Active BHL	657' 899'	N	787' 1200'	W	D	3	19S	38E	Nov-86	4,353'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,156'-4,346' Perf.	
30-025-28972	Occidental Permian Ltd.	S. Hobbs G/SA COOP Ut.	13	I	Active BHL	505' 10'	N	2560' 2630'	E	B	3	19S	38E	Nov-84	4,371'	20"	14"	40'	5 yd.	Surface	Circ.	4,240'-4,360' Perf.	
30-025-29750	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	211	P	Active BHL	1790' 1594'	N	1420' 904'	W	F	5	19S 19S	38E 38E	Oct-86	4,367'	20"	14"	36'	2.5 yd.	Surface	Circ.	3,952'-3,965' Perf.	5 1/2" csg. stage cmt. 1st stage-100 sx. 2nd stage-900 sx. DV Tool @ 3,797
30-025-29906	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	343	P	Active	660'	S	1550'	E	O	32	18S	38E	May-87	4,370'	20"	14"	40'	Unk.	Unk.	Circ.	4,070'-4,208' Perf.	
30-025-28951	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	323	P	Active	2525'	N	1453'	E	G	33	18S	38E	Jun-85	4,370'	17 1/2"	13 3/8"	40'	Unk.	Unk.	Circ.	4,003'-4,221' Perf.	
30-025-37271	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	246	P	Active BHL	659' 549'	N	467' 59'	E	A	4	19S 19S	38E 38E	Jul-05	4,383'	26"	16"	40'	100	Surface	Circ.	4,120'-4,272' Perf.	5 1/2" csg. stage cmt. 1st stage-250 sx. 2nd stage-700 sx. DV Tool @ 3,497'
30-025-28307	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	4	I	Active BHL	494' 25'	N	1025' 1310'	E	A	4	19S 19S	38E 38E	Aug-83	4,374'	17 1/2"	14"	40'	2 yd.	Surface	Circ.	4,126'-4,320' Perf.	5 1/2" csg. stage cmt. 1st stage-225 sx. 2nd stage-875 sx. DV Tool @ 3,399
30-025-29444	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	197	P	TA BHL	2030' 2609'	S	860' 740'	W	L	34 34	18S 18S	38E 38E	Nov-85	4,378'	26"	16"	40'	Unk.	Unk.	Circ.	4,038'-4,240' Perf.	TA'd w/ CIBP @ 3,909' w/10' of cmt.
30-025-28266	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	342	I	Active BHL	475' 5'	S	1437' 1294'	E	O	32	18S	38E	Sep-83	4,430'	20"	16"	30'	40	Surface	Circ.	4,063'-4,263' Perf.	
30-025-28267	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	342	I	Active BHL	125' 37'	S	2,730' 2,699'	W	O	33	18S	38E	Oct-83	4,380'	20"	16"	40'	40	Surface	Circ.	4,068'-4,256' Perf.	
30-025-35011	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	734	P	Active BHL	511' 669'	S	2275' 2672'	E	O	33	18S	38E	May-00	4,383'	18"	14"	40'	50	Surface	Circ.	4,095'-4,283' Perf.	
30-025-35318	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	241	P	Active BHL	1063' 628'	N	498' 67'	W	D	4	19S	38E	Jan-01	4,384'	20"	16"	40'	50	Surface	Circ.	4,126'-4,338' Perf.	7" csg. stage cmt. 1st stage-250 sx. 2nd stage-900 sx. DV Tool @ 3,494'
30-025-29751	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	212	I	Active BHL	1478' 874'	N	2589' 2465'	W	F	5	19S	38E	Oct-86	4,385'	20"	14"	40'	2.5 yd.	Surface	Circ.	4,132'-4,319' Perf.	
30-025-35534	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	844	P	Active BHL	1051' 616'	S	217' 46'	W	M	33	18S	38E	May-01	4,385'	18"	14"	40'	50	Surface	Circ.	4,106'-4,258' Perf.	5 1/2" csg. stage cmt. 1st stage-250 sx. 2nd stage-650 sx. DV Tool @ 3,523'
30-025-34993	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	524	P	Active BHL	1082' 837'	S	1673' 1320'	W	N	33	18S	38E	May-00	4,386'	18"	14"	40'	50	Surface	Circ.	4,090'-4,278' Perf.	
30-025-28332	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	128	I	Active BHL	335' 1'	N	520' 26'	W	D	3	19S	38E	Oct-83	4,389'	20"	14"	40'	4 yd.	Surface	Circ.	4,132'-4,268' Perf.	5 1/2" csg. stage cmt. 1st stage-275 sx. 2nd stage-1100 sx. DV Tool @ 3,384'
30-025-29893	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	222	P	Active BHL	2019' 1425'	S	817' 590'	W	L	34	18S	38E	Jun-87	4,390'	26"	16"	39'	3.5 yd.	Surface	Circ.	4,140'-4,344' Perf.	
30-025-34946	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	239	I	Active	1984'	S	370'	E	I	5	19S	38E	Jun-00	4,395'	18"	14"	40'	50	Surface	Circ.	4,085'-4,194' Perf.	
30-025-31662	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	144	I	Active	786'	S	1175'	W	M	32	18S	38E	Nov-93	4,400'	17 1/2"	13 3/8"	40'	Unk.	Unk.	Circ.	4,041'-4,247' Perf.	

GROUP 4

Wells with Surface and Production Casing

OCCIDENTAL PERMIAN LTD
AREA OF REVIEW WELL DATA

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. INS	NS	FTG. E/W	EW	UNIT	SEC	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX CMT.	CMT. TOP	COMPLETION	REMARKS	
30-025-34997	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	543	I	Active	2630'	N	318'	E	H	33	18S	38E	Jul-00	4,400'	18"	14"	40'	50	Surface	Circ.	12 1/4"	8 5/8"	1,622'	725	Surface	Circ.	4,096'-4,280' Perf.	5 1/2" csg. stage cmt. 1st stage-150 sx. 2nd stage-800 sx.
30-025-26375	Occidental Permian Ltd.	Turner Tr. 2	30	P	Active	1990'	N	511'	W	E	34	18S	38E	Aug-79	7,050'	17 1/2"	13 3/8"	420'	450	Surface	Circ.	12 1/4"	9 5/8"	4,403'	1250	Surface*	Calc.	6,665'-6,966' Perf.	Hobbs-Drinkard completion
Well plugged back & sidetracked @ 3,672', 3,847' and 3,970'. *9 5/8" casing perforated @ 2,060'-2,062' and cemented to surface w/9,200 sx. cmt. as per well file.																													
30-025-29892	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	221	P	Active	1091'	N	2411'	W	C	4	19S	38E	Jun-87	4,404'	26"	16"	40'	3.5 yd	Surface	Circ.	14 3/4"	10 3/4"	1,534'	1000	Surface	Circ.	4,130'-4,332' Perf.	
30-025-28970	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	11	I	Active	2500'	S	1660'	W	K	34	18S	38E	Nov-84	4,410'	26"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,670'	875	Surface	Circ.	4,246'-4,400' Perf.	
30-025-28971	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	12	I	Active	636'	S	2348'	W	N	34	18S	38E	Oct-84	4,441'	20"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,620'	875	Surface	Circ.	4,244'-4,410' Perf.	
30-025-28337	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	133	P	Active	1840'	N	748'	W	E	3	19S	38E	Nov-83	4,421'	20"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,580'	875	Surface	Circ.	4,204'-4,408' Perf.	
30-025-28305	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	2	I	Active	645'	N	453'	W	D	4	19S	38E	Aug-83	4,423'	17 1/2"	13 3/8"	40'	4.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,500'	900	Surface	Circ.	4,159'-4,348' Perf.	5 1/2" csg. stage cmt. 1st stage-225 sx. 2nd stage-1050 sx. DV Tool @ 3,413'
30-025-29755	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	217	I	Active	1407'	N	1016'	E	G	4	19S	38E	Oct-86	4,427'	20"	14"	40'	2.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,548'	900	Surface	Circ.	4,175'-4,363' Perf.	
30-025-30308	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	433	P	Active	1847'	S	985'	E	I	33	18S	38E	Apr-88	4,432'	17 1/2"	14"	53'	Unk.	Unk.	N/A	12 1/4"	9 5/8"	1,639'	750	Surface	Circ.	4,120'-4,296' Perf.	
30-025-28331	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	127	I	Active	1980'	S	860'	W	L	34	18S	38E	Oct-83	4,433'	20"	14"	40'	5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,600'	925	Surface	Circ.	4,180'-4,418' Perf.	5 1/2" csg. stage cmt. 1st stage-250 sx. 2nd stage-1100 sx. DV Tool @ 3,410'
30-025-28978	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	180	P	Active	990'	N	1275'	E	A	5	19S	38E	Oct-84	4,442'	20"	14"	40'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,485'	875	Surface	Circ.	4,155'-4,305' Perf.	
30-025-35742	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	244	P	TA	2246'	N	597'	W	E	34	18S	38E	Dec-01	4,437'	20"	16"	40'	50	Surface	Circ.	13 1/2"	9 5/8"	1,560'	850	Surface	Circ.	4,167'-4,342" Perf.	TA'd w/CIBP @ 4,146' w/4 sx. cmt on top.
30-025-35743	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	843	P	Active	1933'	S	294'	E	I	33	18S	38E	Dec-01	4,448'	20"	16"	40'	50	Surface	Circ.	13 3/8"	9 5/8"	1,574'	850	Surface	Circ.	4,148'-4,288' Perf.	7" csg. stage cmt. 1st stage-250 sx. 2nd stage-700 sx. DV Tool @ 3,575'
30-025-28269	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	432U	I	Active	1842'	S	1029'	E	I	33	18S	38E	Nov-83	4,445'	20"	16"	30'	40	Surface	Circ.	12 1/4"	8 5/8"	1,615'	750	Surface	Circ.	4,107'-4,297' Perf.	5 1/2" csg. stage cmt. 1st stage-250 sx. 2nd stage-700 sx. DV Tool @ 2,925"
30-025-28342	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	139	P	Active	2052'	N	1941'	W	F	3	19S	38E	Nov-83	4,441'	26"	20"	35'	Unk.	Unk.	N/A	12 1/4"	8 5/8"	1,649'	900	Surface	Circ.	4,277'-4,420' Perf.	
*5 1/2" casing perforated @ 1,680' and cemented to surface w/500 sx.																													
30-025-28309	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	6	I	Active	1950'	N	535'	W	E	34	18S	38E	Sep-83	4,444'	20"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,640'	1000	Surface	Circ.	4,215'-4,387' Perf.	5 1/2" csg. stage cmt. 1st stage-350 sx. 2nd stage-1350 sx. DV Tool @ 3,390'
30-025-28265	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	142	I	Active	610'	S	1210'	W	M	32	18S	38E	Sep-83	4,460'	20"	16"	40'	40	Surface	Circ.	12 1/4"	8 5/8"	1,525'	850	Surface	Circ.	4,135'-4,279' Perf.	PBTD-4,285'
30-025-28354	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	151	P	TA	710'	N	2410'	E	B	10	19S	38E	Oct-83	4,462'	20"	14"	40'	4 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,638'	925	Surface	Circ.	4,280'-4,442' Perf.	5 1/2" csg. stage cmt. 1st stage-400 sx. TA-CIBP @ 4,250' 2nd stage-1300 sx. DV Tool @ 3,443'
30-025-29083	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	184	P	Active	1766'	N	2488'	W	F	5	19S	38E	Jan-85	4,465'	26"	14"	40'	4.5 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,505'	875	Surface	Circ.	4,192'-4,406' Perf.	
*5 1/2" csg. perforated @ 1,400' and cemented to surface w/250 sx.																													
30-025-28268	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	422	I	Active	2181'	N	498'	E	H	33	18S	38E	Oct-83	4,476'	20"	16"	30'	40	Surface	Circ.	12 1/4"	8 5/8"	1,660'	650	Surface	Circ.	4,144'-4,313' Perf.	
30-025-28347	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	144	P	Active	580'	S	755'	W	M	3	19S	38E	Sep-83	4,486'	20"	14"	40'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,582'	1000	Surface	Circ.	4,290'-4,416' Perf.	5 1/2" csg. stage cmt. 1st stage-385 sx. 2nd stage-1350 sx. DV Tool @ 3,382'
Well initially drilled to a total depth of 4,384' & plugged back. Set 250 sx. cmt. plug 3,900'-4,384'; Set 125 sx. cmt. plug 2,700'-2,900'; Set 375 sx. cmt. plug 1,700'-2,100'. Well kicked off @ 1,705' and directionally drilled.																													
30-025-28306	Occidental Permian Ltd.	S. Hobbs G/SA Ut. COOP	3	I	Active	645'	N	2045'	W	C	4	19S	38E	Sep-83	4,494'	17 1/2"	14"	40'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,500'	1000	Surface	Circ.	4,248'-4,447' Perf.	5 1/2" csg. stage cmt. 1st stage-350 sx. 2nd stage-1800 sx. DV Tool @ 3,380'
30-025-28348	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	145	P	Active	577'	S	1984'	W	N	3	19S	38E	Sep-83	4,498'	20"	14"	38'	Unk.	Unk.	N/A	12 1/4"	8 5/8"	1,650'	1125	Surface	Circ.	4,316'-4,420' Perf.	
30-025-35758	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	535	P	Active	2188'	S	2510'	W	K	33	18S	38E	Jan-02	4,646'	20"	16"	40'	50	Surface	Circ.	13 3/8"	9 5/8"	1,587'	950	Surface	Circ.	4,318'-4,425' Perf.	7" csg. stage cmt. 1st stage-250 sx. 2nd stage-700 sx. DV Tool @ 3,487'
30-025-39955	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	248	P	New-Not Drilled	125'	N	455'	W	D	9	19S	38E	NYD	5,370'	12 1/4"	9 5/8"	1,525'	670	Surface	Circ.	8 3/4"	5 1/2"	5370'	1290	Surface	Circ.		Proposed casing & cementing design Proposed Grayburg-San Andres Completion. APD Expires 11/23/2012
30-025-28981	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	186	P	Active	2420'	N	213'	W	E	4	19S	38E	Oct-84	4,310'	20"	14"	39'	2 yd.	Surface	Circ.	12 1/4"	8 5/8"	1,479'	875	Surface	Circ.	4,073'-4,203' Perf.	

GROUP 4

Wells with Surface and Production Casing

OCCIDENTAL PERMIAN LTD

AREA OF REVIEW WELL DATA

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

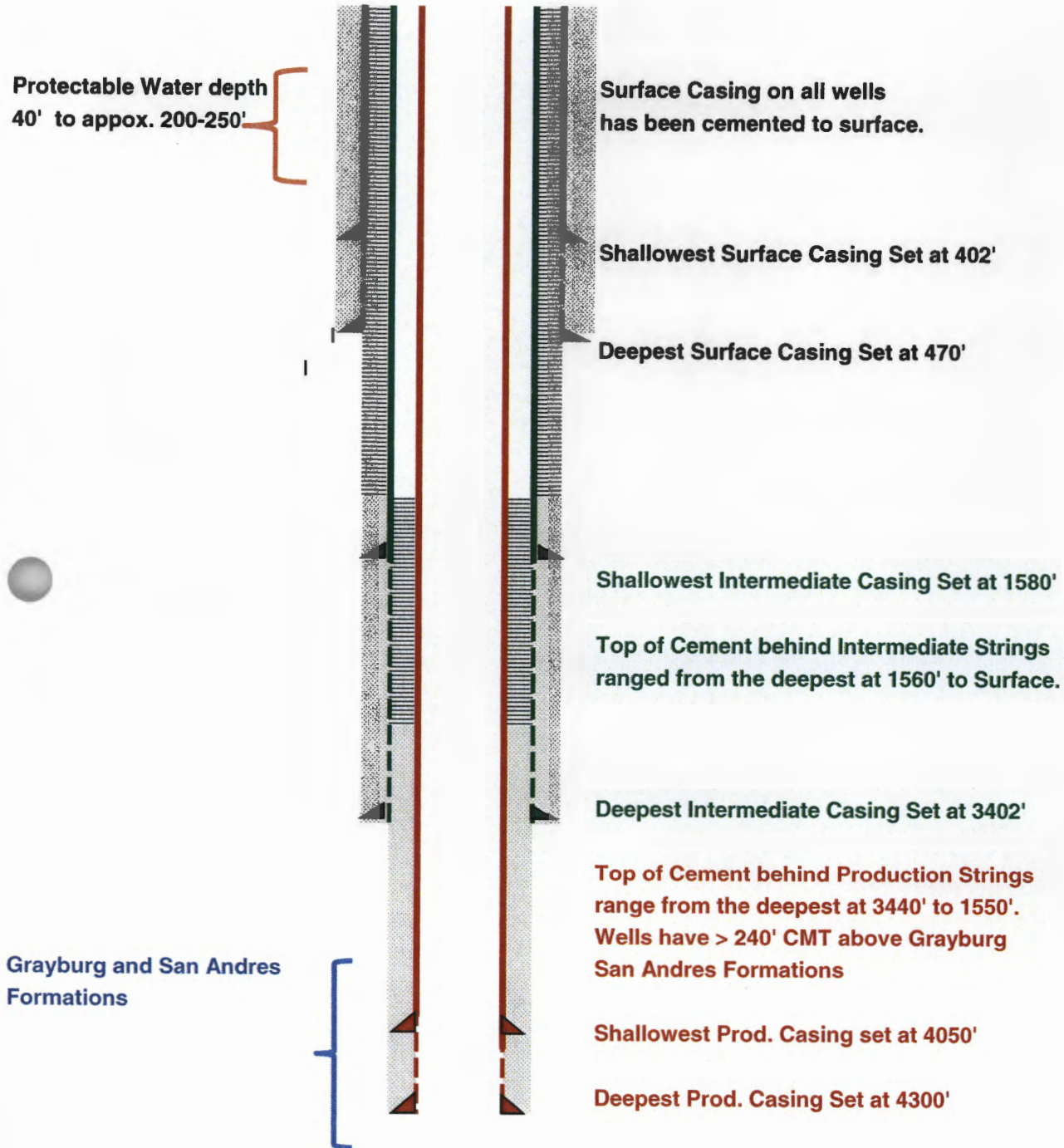
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS	
					BHL	2530'	N	246'	W	E	4	19S	38E				5 1/2"	4,310'	2000	Surface	Circ.			
30-025-26980	Occidental Permian Ltd.	State "A"	38	P	TA	1880'	S	1730'	E	J	4	19S	38E	Oct-80	3,750'	12 1/4"	9 5/8"	408'	350	Surface	Circ.	2,711'-3,723' Perf.	Yates-Seven Rivers Completion	
30-025-39955	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	248	P	New-Not Drilled	125'	N	455'	W	D	9	19S	38E	NYD	5,370'	12 1/4"	9 5/8"	1,525'	670	Surface	Circ.	5370'	1290	Proposed Grayburg-San Andres Completion. APD Expires 11/23/2012
Proposed casing & cementing design																								
30-025-28980	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	183	P	Active	2540'	N	1423'	W	F	5	19S	38E	Oct-84	4,323'	26"	14"	40'	2.5 yd.	Surface	Circ.	4,122'-4,247' Perf.		
					BHL	2609'	N	1342'	W	F	5	19S	38E				7 7/8"	5 1/2"	4,312'	900	Surface	Circ.		
30-025-28308	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	5	I	Active	1980'	S	646'	W	L	34	18S	38E		4490	17 1/2"	13 3/8"	40'	4.5 yd.	Surface	Circ	4173'-4490' perfs		
30-025-35349	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	644	P	Active	1639	N	938	E	L	27	18S	38E	Feb-2001	4571	20	16	40	50	Surface	Circ	4350-4498 Perfs		
					BHL	1012	S	338	E	P	28	18S	38E				8 3/4"	7	4571	950	Surface	Circ		

GROUP 5

GROUP 5

SA/Grayburg Wells with Surface, Intermediate and Production Casing

5 Wells



GROUP 5

Wells with Surface, Intermediate and Production Casing

OCCIDENTAL PERMIAN LTD.

AREA OF REVIEW WELL DATA

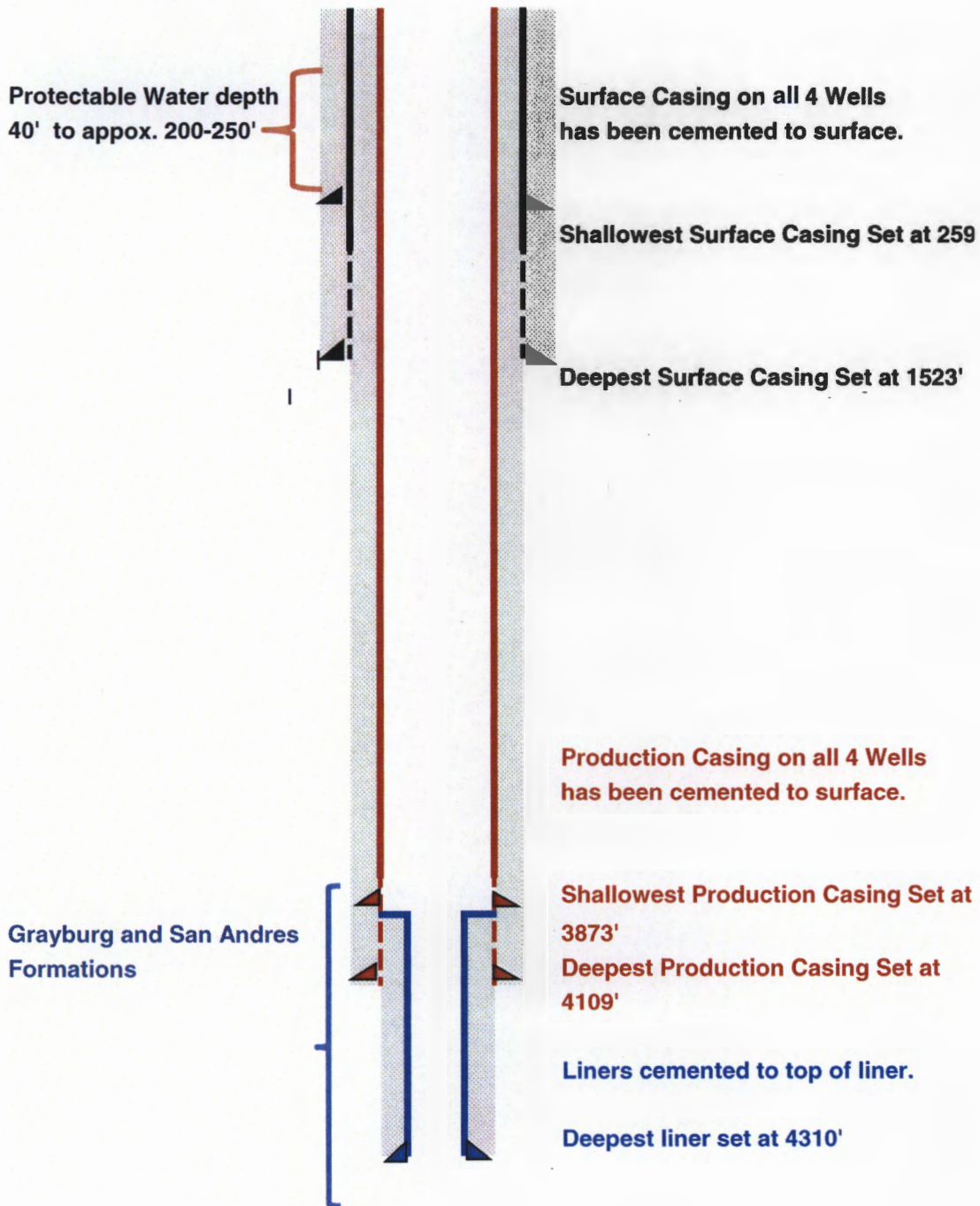
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. NS	FTG. E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET		SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS	
																AT	AT												
30-025-07588	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	36	I	Active	1980	1980	W	F	3	19S	38E	May-35	4280'	17 1/2"	13 3/8"	214'	135	Surface	Circ.	12" 8 1/8"	9" 5 1/2"	1653' 4202'	350 150	Surface 3977'	Circ. TOL	4120-4280' Perf & OH	Perf & sqzd @ 3000'. 3901', and 4012-4127'	
30-025-27628	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	182	I	Active	1785'	1810'	W	F	5	19S	38E	Nov-81	4,300'	12 1/4"	9 5/8"	402'	250	Surface	Circ.	8 3/4" 6 3/4"	7" 4 1/2"	3,402' 4,300'	900 475	Surface 1,550' *	Circ. Calc.	4,053'-4,163' Perf.	Seven Rivers perfs. 3,117'-3,222' squeezed w/100 sx.	
*4 1/2" casing stage cemented. 1st stage-175 sx. 2nd stage-300 sx. Well file does not indicate depth of DV tool. TOC calculated @ 1,550'.																													
30-025-07508	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	241	P	TA	900'	2310'	W	N	31	18S	38E	Feb-48	4,155'	12 1/4"	9 5/8"	470'	200	Surface	Calc.	8 3/4" 6 1/4"	7" 5"	3,225' 4,141'	800 90	1,560' 3,070' *	T.S. T.S.	4,018'-4,136' Perf. 4,141'-4,154' O.H.	TA'd w/CIBP @ 3,950' + 37' cement	
*5" casing perforated @ 2,995' and cemented to surface w/350 sx.																													
30-025-07510	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	141	I	TA	990'	990'	W	M	31	18S	38E	Dec-49	4,317'	13 3/4"	10 3/4"	435'	350	Surface	Circ.	8 3/4" 6 1/4"	7" 5"	3,303' 4,317'	500 100	1,870' 3,440'	T.S. T.S.	4,097'-4,183' Perf.	TA'd w/CIBP @ 3,995'	
30-025-07663	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	75	P	TA	1980'	660'	E	H	9	19S	38E	Jun-32	4,218'	19 3/4"	16"	210'	125	52'	Calc.	13 3/4" 9 7/8"	10 3/4" 8 5/8"	1,580' 4,050'	75 150	1,407' 2,951' *	Calc. Calc.	4,050'-4,218' O.H.	Estimated Hole Sizes TA'd w/CIBP @ 3,950'	
*8 5/8" casing perforated @ 1,600' and squeeze cemented w/350 sx. 8 5/8" casing perforated @ 235' and cemented to surface w/131 sx.																													

GROUP 6

GROUP 6

SA/Grayburg Wells with Surface, Production Casing and a Partial Liner 4 Wells



GROUP 6
Wells with Surface, Production Casing and Partial Liner

OCCIDENTAL PERMIAN LTD.

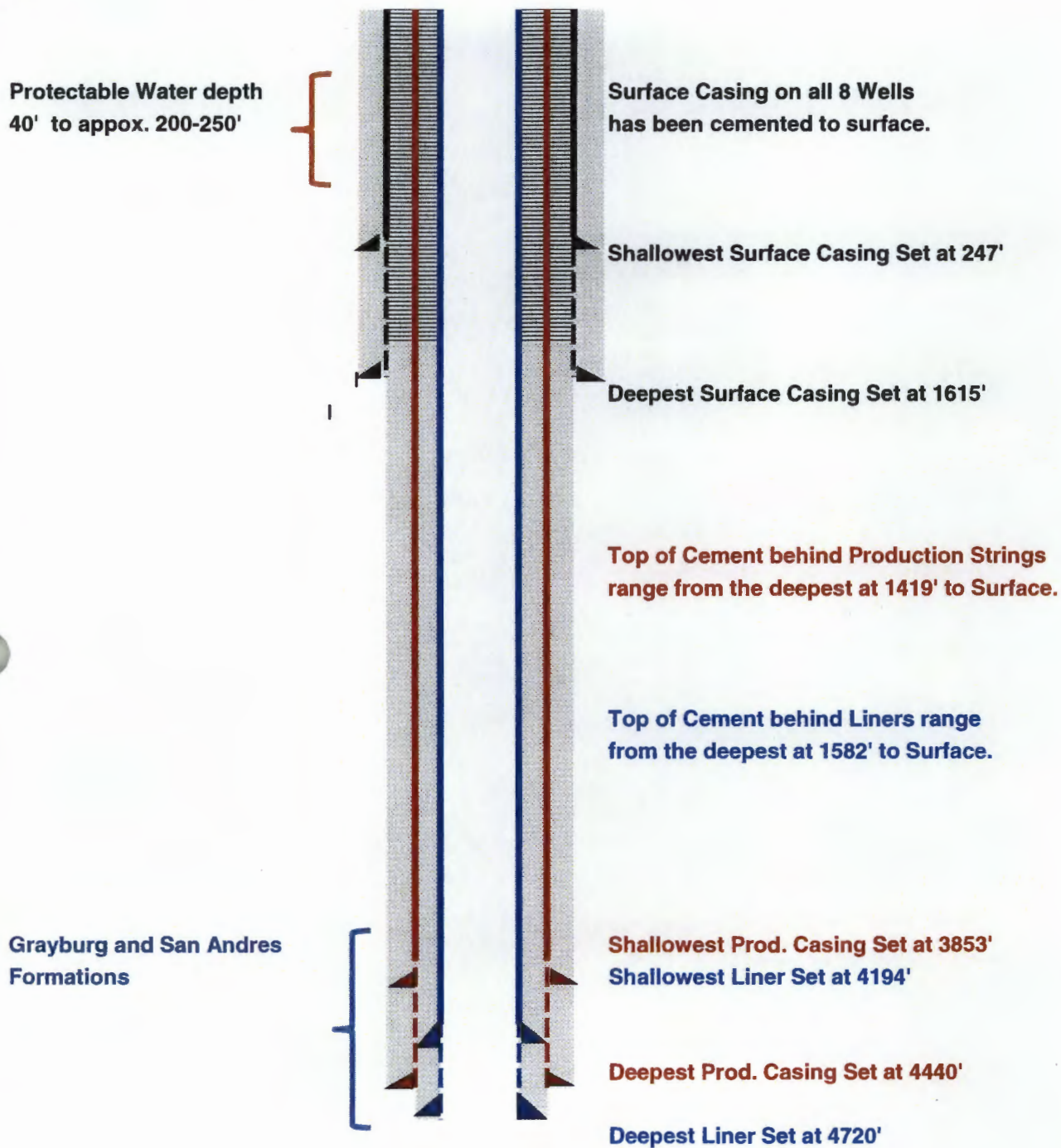
AREA OF REVIEW WELL DATA

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG NS	FTG E/W	E/W	UNIT	SEC	TSHP	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS	
30-025-26115	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	120	I	Active	1272'	N	1420'	W	C	5	19S	38E	Dec-78	4,270'	15"	11 3/4"	1,510'	850	Surface	Circ.	11" 7 7/8"	8 5/8" 5 1/2"	3,873' 1,684'-4,268'	950 90	Surface Liner Top	Circ.	4,078'-4,242' Perf.	
30-025-29754	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	216	I	Active	1166'	N	2411'	W	C	4	19S	38E	Oct-86	4,310'	24" 12 1/4"	20" 8 5/8"	40' 4,053'	2,75 yd 1450	Surface	Circ.	17 1/2" 7 7/8"	13 3/8" 5 1/2"	1,523' 1,852'-4,310'	1700 125	Surface Liner Top	Circ. File	4,060'-4,209' Perf.	
30-025-07641	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	26	I	TA	1650'	N	480'	E	H	6	19S	38E	Mar-49	4,250'	15"	10 3/4"	375'	250	Surface	Calc.	8 3/4" 6 3/4"	7" 4 1/2"	4,074' 3,964'-4,119'	1300 50	Surface Liner Top	Calc.	4,011'-4,050' Perf. PBD-4,100'. TAd w/Packer	
30-025-07618	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	52	P	TA	330'	S	330'	E	P	5	19S	38E	Apr-48	4,290'	15"	13 3/8"	259'	200	Surface	Calc.	7 7/8" 4 7/8"	5 1/2" 2 7/8"	4,109' 1,849'-4,290'	1334 50	Surface Liner Top	Calc.	4,100'-4,230' Perf. CIBP @ 3,780'	

GROUP 7

GROUP 7
SA/Grayburg Wells with Surface, Production Casing and Full Liner
8 Wells



GROUP 7
Wells with Surface, Production Casing and Full Liner
OCCIDENTAL PERMIAN LTD.

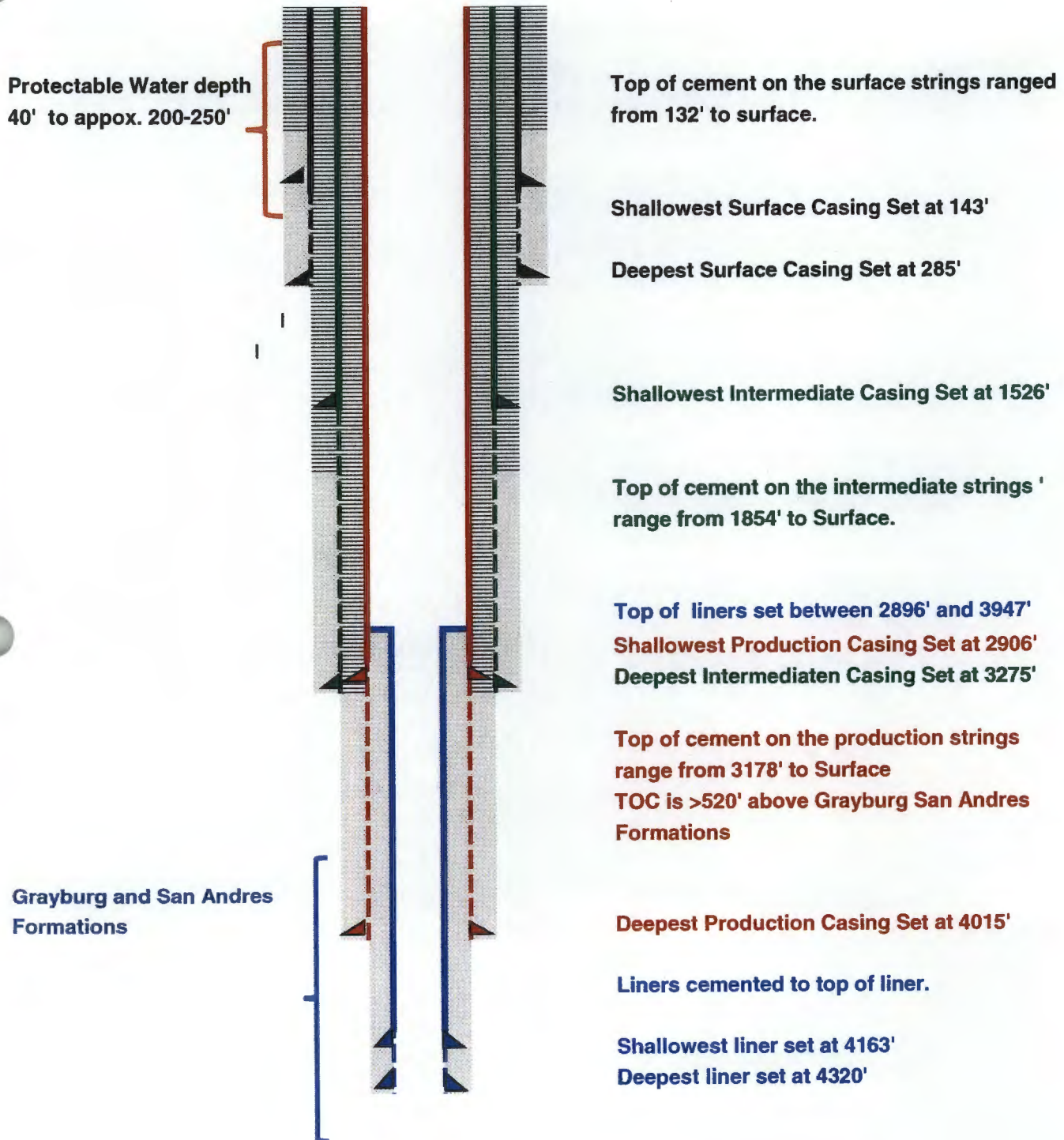
AREA OF REVIEW WELL DATA

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. INS.	N/S	FIG. E/W	E/W	BW	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SK. CMT.	CHT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SK. CMT.	CHT. TOP	COMPLETION	REMARKS		
30-025-26116	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	121	I	Active	1450'	N	150'	W	E	4	19S	38E	Nov-78	4,265'	15"	11 3/4"	1,431'	850	Surface	Circ.	12 1/4"	8 5/8"	3,853'	1300	Surface	Circ.	3,925'-4,240' Perf.			
30-025-26119	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	124	P	Active	1925'	S	2380'	E	J	4	19S	38E	Nov-78	4,720'	14 3/4"	11 3/4"	1,495'	850	Surface	Circ.	10 5/8"	8 5/8"	3,905'	900	Surface	Circ.	4,097'-4,230' Perf.	PBTD-CIBP @ 4,230'		
30-025-26118	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	123	P	TA	2390'	N	150'	E	H	6	19S	38E	Nov-78	4,286'	15"	11 3/4"	1,433'	750	Surface	Circ.	11"	8 5/8"	3,907'	1400	Surface	Circ.	4,144'-4,198' Perf.	TA'd w/ CIBP @ 4,062' & 3,905'		
30-025-26117	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	122	P	Active BHL	1726' 1390'	N N	167' 39'	E W	H E	4 3	19S 19S	38E	Nov-78	4,318'	15"	11 3/4"	1,571'	850	Surface	Circ.	11"	8 5/8"	3,927'	815	Surface	Circ.	4,113'-4,280' Perf.	160 sx. 2nd stage-600 sx. DV Tool @ 2,700'		
30-025-07567	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	341	P	Active	1320'	S	2310'	E	O	34	18S	38E	Apr-35	4,235'	13 3/4"	12 1/2"	254'	150	Surface	Calc.	9"	7"	4,066'	500	Surface	Calc.	4,052'-4,192' Perf.	Estimated Hole Sizes		
30-025-26120	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	125	P	Active BHL	2016' 2730'	N N	763' 1294'	W W	E L	3 3	19S 19S	38E	Dec-78	4,455'	15"	11 3/4"	1,588'	950	Surface	Circ.	11"	8 5/8"	4,080'	1050	Surface	Circ.	4,278'-4,407' Perf.			
*5 1/2" csg. Initially set 3,846-4,420 w/107' sx. Subsequently ran 5 1/2" tieback csg. 0-3,846 & cemented to surface w/650 sx.																															
30-025-28733	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	173	I	Active BHL	1978' 1972'	N N	1223' 2,018'	W W	E F	10 10	19S 19S	38E	Jun-84	4,440'	22" 9 7/8"	16" 7"	40' 4,440'	4 yd. 1400	Surface	Circ.	14 3/4"	10 3/4"	1,615'	1350	Surface	Circ.	4,290'-4,349' Perf.			
*7" casing perforated @ 1,450-1,513' & cemented w/200 sx. 7" casing perforated @ 750'-751' & cemented w/200 sx.																															
30-025-07579	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	211	P	Active	660'	N	1650'	W	C	34	18S	38E	May-34	4,276'	15"	12 1/2"	247'	175	Surface	Circ.	8 3/4"	7"	4,012'	400	Surface	Calc.	4,133'-4,204' Perf.	5" csg. stage cemented. 1st stage-100 sx. 2nd stage-240 sx.		
* 7" casing perforated @ 3,100' and cemented to surface w/1583 sx.																															
Estimated Hole Sizes																															

GROUP 8

GROUP 8

SA/Grayburg Wells with Surface, Intermediate, Production Casing and Partial Liner 35 Wells



Wells with Surface, Intermediate Production Casing and Partial Liner

GROUP 8

OCCIDENTAL PERMIAN LTD.
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

WELL NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. NS	NS	FTG. EW	EW	UNIT	SEC	TSHP	RNG	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG SIZE	SET AT	SLX CMT.	CMT. TOP	MTD	HOLE SIZE	CSG SIZE	SET AT	SLX CMT.	CMT. TOP	COMPLETION	REMARKS	
30-025-07665	Bradley McInroe d/b/a Big Al Oil & Gas	Slate Land Sec 9	1	P	Active	990'	S	2390'	W	N	9	19S	38E	Jun-29	4,314'	23" 9 7/8"	20" 8 1/4"	143' 2,906'	Unk. 165	Unk. 2,084'	N/A	12" 8"	10" 6 5/8"	1,605' 2,896'-4,002'	90 60	1,259' 3,497'	Calc. 3,185'-3,325' Perf. 4,002'-4,034' O.H.	Estimated Hole Sizes	
6 5/8" casing was cut and pulled @ 2,896'. PBTD appears to be @ 4,034'. Well is producing from the Bowers-Seven Rivers Gas Pool.																													
30-025-12514	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	42	I	Active	1980'	S	330'	W	L	4	19S	38E	Sep-30	4,231'	13 3/4" 7 7/8"	12 1/4" 6 5/8"	164' 3,960'	175 200	Surface 2,091'	Calc. 2,091'	9 5/8" 5 3/4"	8 1/4" 4 1/2"	2,750' 3,845'-4,224'	630 75	Surface Liner Top	Calc. 3,905'-4,214' Perf. 4,224'-4,231' O.H.		
30-025-07623	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	40	I	Active	1980'	S	1980'	W	K	5	19S	38E	Jan-31	4,242'	19 3/4" 8 5/8"	16" 6 5/8"	192' 3,980'	100 150	Surface 3,178'	Calc. 3,178'	13 3/8" 4 1/2"	10 3/4" 4 1/2"	2,784' 3,863'-4,200'	300 120	Liner Top	Calc. 4,120'-4,189' Perf. 4,200'-4,242' O.H.	Estimated Hole Sizes. Some data obtained from PMX-132	
30-025-07608	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	54	I	Active	660'	S	1980'	W	N	4	19S	38E	Nov-30	4,221'	19 3/4" 9 7/8"	16" 8 5/8"	195' 3,977'	50 100	132' 3,245' *	Calc. 3,245' *	13 3/4" 7 7/8"	10 3/4" 5 1/2"	3,275' 3,939'-4,190'	650 83	Liner Top	Calc. 4,084'-4,184' Perf. 4,190'-4,221' O.H.	Estimated Hole Sizes	
8 5/8" casing perforated @ 3,099-3,101 & cemented to surface w/425 sx.																													
30-025-07612	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	53	I	Active	660'	S	660'	W	M	4	19S	38E	Aug-30	4,231'	13 3/4" 7 7/8"	12 1/2" 7"	196' 3,965'	200 200	Surface 2,965' *	File 2,965' *	9 5/8" 6 1/4"	9" 4 1/2"	2,778' 3,702'-4,220'	600 50	Surface Liner Top	File 4,083'-4,217' Perf.		
7" casing perforated @ 1,550 and cemented to surface w/400 sx.																													
30-025-07572	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	6	P	TA	660'	S	660'	W	M	34	18S	38E	Sep-30	4,241'	19 3/4" 9 7/8"	16" 8 5/8"	196' 3,985'	75 250	101' 2,154' *	Calc. 2,154' *	13 3/4" 7 7/8"	10 3/4" 5 1/2"	2,541' 3,884'-4,207'	500 100	Liner Top	Calc. 4,100'-4,207' Perf. 4,207'-4,241' O.H.	Estimated Hole Sizes	
8 5/8" casing perforated & cemented at the following depths: 3,200 w/100 sx.; 2,700 w/100 sx.; 2,661 w/100 sx.; 2,575 w/150 sx.; 2,550 w/300 sx.; 1,500 cemented to surface w/260 sx.																													
30-025-12768	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	17	P	Active	660'	N	1980'	W	C	4	19S	38E	Dec-31	4,254'	19 3/4" 9 7/8"	16" 8 5/8"	201' 3,976'	125 150	43' 2,406' *	Calc. 2,406' *	13 3/4" 7 7/8"	10 3/4" 5 1/2"	2,754' 3,900'-4,212'	400 75	Liner Top	Calc. 4,076'-4,204' Perf. 4,212'-4,254' O.H.	Estimated Hole Sizes	
8 5/8" casing perforated @ 3,100 and cemented to surface w/700 sx.																													
30-025-07603	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	20	P	Active	660'	N	660'	W	D	3	19S	38E	Jan-32	4,230'	18" 10"	16" 8 5/8"	203' 3,964'	125 150	Surface 2,972' *	Calc. 2,972' *	12 3/4" 7 7/8"	10 3/4" 5 1/2"	2,792' 3,900'-4,204'	400 75	Liner Top	Calc. 4,070'-4,204' Perf. 4,204'-4,230' O.H.		
8 5/8" casing perforated at 3,203 and cemented to surface w/931 sx.																													
30-025-07591	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	46	P	TA	1980'	S	660'	W	L	3	19S	38E	Jan-33	4,281'	19 3/4" 9 7/8"	16" 8 5/8"	203' 3,984'	85 150	96' 2,885' *	Calc. 2,885' *	13 3/4" 7 7/8"	10 3/4" 5 1/2"	1,751' 3,928'-4,212'	100 75	Liner Top	Calc. 3,973'-4,211' Perf. 4,212'-4,281' O.H.	Estimated Hole Sizes TA'd w/CIBP @ 3,935' & 1,735'	
8 5/8" casing perforated @ 3,150 & cement squeezed. Amount of cement unknown. TOC by CBL @ 1,699																													
0-025-07629	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	18	P	Active	660'	N	1980'	E	B	4	19S	38E	Oct-31	4,231'	19 3/4" 9 7/8"	16" 8 5/8"	207' 3,950'	125 135	49' 2,961' *	Calc. 2,961' *	13 3/4" 7 7/8"	10 3/4" 5 1/2"	2,740' 3,882'-4,215'	400 82	Liner Top	Calc. 3,990'-4,212' Perf. 4,215'-4,231' O.H.	Estimated Hole Sizes	
8 5/8" casing perforated @ 3,100 and cemented to surface as per well file. Amount of cement unknown.																													
30-025-07543	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	141	P	Active	660'	S	660'	W	M	33	18S	38E	Jul-30	4,261'	13 3/4" 9"	12 1/2" 7"	209' 3,976'	165 275	Surface 2,201'	Calc. 2,201'	11 5/8" 6 1/2"	9 5/8" 5"	2,738' 3,828'-4,261'	500 45	Liner Top	Calc. 4,062'-4,249' Perf.	Estimated Hole Sizes	
30-025-07607	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	45	I	Active	1980'	S	660'	E	I	4	19S	38E	Nov-32	4,231'	19 3/4" 9 7/8"	16" 8 5/8"	210' 3,960'	75 150	115' 2,862' *	Calc. 2,862' *	13 3/4" 7 7/8"	10 3/4" 5 1/2"	1,552' 3,904'-4,204'	75	Liner Top	Calc. 4,078'-4,190' Perf. 4,204'-4,207' O.H.	Estimated Hole Sizes	
8 5/8" casing perforated @ 3,200 & cemented to surface as per well file. Amount of cement unknown.																													
30-025-07658	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	62	P	TA	660'	N	660'	W	D	9	19S	38E	Dec-30	4,230'	19 3/4" 9 7/8"	16" 8 5/8"	210' 3,998'	100 100	84' 3,266' *	Calc. 3,266' *	13 3/4" 7 3/4"	10 3/4" 5 1/2"	2,792' 3,951'-4,192'	300 100	Liner Top	Calc. 3,955'-4,088' Perf. 4,192'-4,230' O.H.	Estimated Hole Sizes	
8 5/8" casing perforated @ 1,550 and squeeze cemented w/1053 sx. 8 5/8" casing perforated @ 230 and cemented to surface w/200 sx.																													
30-025-07598	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	19	P	Active	660'	N	660'	E	A	4	19S	38E	May-38	4,233'	19 3/4" 9 7/8"	16" 8 5/8"	211' 3,952'	125 150	53' 2,854' **	Calc. 2,854' **	13 3/4" 7 7/8"	10 3/4" 5 1/2"	2,752' 2,645'-4,200'	400 350	Calc. 1,830' *	Calc. 4,064'-4,198' Perf. 4,200'-4,233' O.H.		
10 3/4" casing perforated @ 510 & cemented to surface w/550 sx. 8 5/8" casing perforated @ 3,000 & cemented to surface w/650 sx.																													
30-025-07631	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	27	I	Active	1980'	N	660'	W	E	5	19S	38E	Sep-44	4,314'	17" 8 3/4"	13" 7"	213' 3,999'	200 300	Surface 2,156' *	Calc. 2,156' *	12" 6 3/4"	9 5/8" 4 1/2"	2,780' 3,966'-4,190'	500 35	Liner Top	Calc. 4,097'-4,180' Perf.		
7" casing perforated @ 2,700 and squeeze cemented w/500 sx. 7" casing perforated @ 2,070 and cemented to surface w/365 sx.																													
30-025-07635	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	11	I	Active	330'	N	330'	E	A	6	19S	38E	Jun-30	4,235'	15" 8 5/8"	12 1/2" 6 5/8"	214' 3,968'	200 300	Surface 2,910'	Calc. 2,910'	11 5/8" 6"	9 5/8" 4 1/2"	2,795' 3,792'-4,231'	500 80	Liner Top	Calc. 4,127'-4,200' Perf.	Estimated Hole Sizes	
30-025-12757	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	341	P	Active	660'	S	1980'	E	O	33	18S	38E	Oct-31	4,249'	17 1/2" 9"	15 1/2" 7"	215' 3,981'	250 325	Surface 2,261'	Circ. 2,261'	11 5/8" 6 3/4"	9 5/8" 5"	2,755' 3,970'-4,235'	600 100	Liner Top	Calc. 4,058'-4,218' Perf. 4,235'-4,249' O.H.	Estimated Hole Sizes	
30-025-07669	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	64	I	Active	660'	N	1980'	E	B	9	19S	38E	Apr-33	4,280'	19 3/4" 9 7/8"	16" 7"	217' 3,998'	100 100	91' 3,649' *	Calc. 3,649' *	13 3/4" 6 3/4"	10 3/4" 4 1/2"	2,810' 3,705'-4,280'	450 100	Liner Top	Calc. 4,130'-4,187' Perf.	Estimated Hole Sizes	
7" casing was cut & pulled @ 2,785. Ran new 7" casing and tied into existing casing string @ 2,785'. Cemented to within 15' of surface w/520 sx.																													
30-025-07547	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	241	P	Active	660'	S	1980'	W	N	33	18S	38E	Dec-31	4,252'	17 1/2" 9"	15 1/2" 7"	223' 3,971'	387 350	Surface 2,121'	Circ. 2,121'	11 5/8" 6 3/4"	9 5/8" 5 1/2"	2,754' 3,911'-4,236'	600 150	Liner Top	Calc. 4,052'-4,229' Perf. 4,236'-4,252' O.H.	Estimated Hole Sizes	
30-025-07546	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	331	P	TA	1920'	S	1780'	E	J	33	18S	38E	Sep-31	4,234'	17 1/2" 9"	15 1/2" 7"	232' 3,930'	425 325	Surface 2,210'	Calc. 2,210'	11 5/8" 6 1/2"	9 5/8" 5"	2,757' 3,871'-4,232' 5" 0-3.871'	600 50	Liner Top	Calc. 4,088'-4,209' Perf. TA'd w/ CIBP @ 3,793'	Estimated Hole Sizes	

GROUP 8

Wells with Surface, Intermediate Production Casing and Partial Liner

OCCIDENTAL PERMIAN LTD.

AREA OF REVIEW WELL DATA

SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

WELL NO.	OPERATOR	LEASE NAME	WELL TYPE	STATUS	FTG. NS	NS	FTG. E/W	E/W	UNIT	SEC	TSHP	RNG	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS		
30-025-07553	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	431	P	Active	1920'	S	860'	E	I	33	18S	38E	Sep-31	4,227'	10"	13 3/8"	241'	200	Surface	2,749' **	Calc.	4,038'-4,182' Perf. 4,190'-4,227' O.H.	Estimated Hole Sizes
*13 3/8" x 9 5/8" annulus bradenhead squeezed w/450 sx. **7" casing perforated @ 2,304' and cemented to surface w/300 sx.																								
30-025-07498	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	441	P	TA	330'	S	330'	E	P	31	18S	38E	Jul-30	4,220'	13 3/4"	12 1/2"	242'	225	Surface	2,253'	Calc.	4,166'-4,195' Perf. 4,166'-4,195' Perf.	TA'd w/CIBP @ 3,875' Estimated Hole Sizes
30-025-07601	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	43	I	Active	2310'	S	1650'	W	K	4	19S	38E	Jun-30	4,222'	15"	13"	250'	150	Surface	2,394'	Calc.	4,088'-4,208' Perf. 4,088'-4,208' Perf.	Estimated Hole Sizes
30-025-07605	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	16	P	Active	660'	N	660'	W	D	4	19S	38E	May-30	4,225'	19 3/4"	16"	251'	135	81'	3,063' *	Calc.	4,102'-4,198' Perf. 4,200'-4,205' O.H.	Estimated Hole Sizes
*6 5/8" casing perforated @ 3,100 & cemented to surface as per well file. Amount of cement unknown.																								
30-025-07500	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	341	I	Active	1315'	S	1325'	E	O	31	18S	38E	Jun-35	4,250'	13 3/4"	12 1/2"	251'	150	Surface	2,444'	Calc.	4,185'-4,224' Perf. 4,225'-4,250' O.H.	Estimated Hole Sizes
30-025-07571	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	2	P	Active	1980'	N	660'	W	E	34	18S	38E	Jun-32	4,311'	19 3/4"	16"	252'	100	126'	2,876' *	Calc.	4,084'-4,218' Perf. 4,220'-4,276' O.H.	Estimated Hole Sizes PBTD-4,276'
*8 5/8" casing perforated @ 3,000 and cemented to surface. Well file does not indicate volume of cement used.																								
30-025-07610	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	32	I	Active	1980'	N	1980'	W	F	4	19S	38E	Jul-30	4,244'	15"	13"	253'	80	Surface	2,860' *	Calc.	4,078'-4,198' Perf. 4,199'-4,224' O.H.	70
*6 5/8" casing perforated @ 3,100 and cemented to surface as per well file. Amount of cement unknown.																								
30-025-07597	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	31	I	TA	2310'	N	990'	W	E	4	19S	38E	Jun-30	4,275'	15"	13"	259'	106	Surface	2860' *	File	4,095'-4,213' Perf. 4,215'-4,248' O.H.	TA'd w/CIBP @ 3,890' w/3 sx. cement
*6 5/8" casing perforated @ 3,100 & cemented to surface w/665 sx.																								
30-025-07523	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	141	I	Active	330'	S	330'	W	M	32	18S	38E	Jul-30	4,258'	16"	13 3/8"	257'	200	Surface	2,900'	Calc.	4,113'-4,175' Perf. 4,192'-4,258' O.H.	60
*7" casing perforated @ 1,900 and cemented to surface w/405 sx. Cemented 9 5/8" x 13 3/8" annulus w/95 sx.																								
30-025-07544	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	131	P	Active	2310'	S	330'	W	L	33	18S	38E	Sep-30	4,243'	18"	15 1/2"	208'	375	Surface	2,341' *	Calc.	4,050'-4,238' Perf. 4,050'-4,238' Perf.	Estimated Hole Sizes
*7" casing leaks @ 365' & 928' squeeze cemented w/200 sx.																								
30-025-07545	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	231	I	Active	2310'	S	1320'	W	K	33	18S	38E	Aug-30	4,259'	15"	12 1/2"	203'	250	Surface	2,301'	Calc.	4,042'-4,230' Perf. 4,235'-4,259' O.H.	Estimated Hole Sizes
30-025-07554	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	421	P	Active	1980'	N	660'	E	H	33	18S	38E	Sep-32	4,235'	15 3/8"	13 3/8"	218'	175	Surface	2,547' *	Calc.	4,063'-4,163' Perf. 4,163'-4,235' O.H.	Estimated Hole Sizes
*7" casing perforated @ 2,000' and squeeze cemented to surface w/325 sx.																								
30-025-07556	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	411	P	TA	660'	N	660'	E	A	33	18S	38E	Oct-34	4,256'	15 3/8"	13 3/8"	285'	200	Surface	3,049' **	Calc.	4,095'-4,170' Perf 4,175'-4,256' O.H.	TA'd w/CIBP @ 4,000' + 80' cement Estimated Hole Sizes
*13 3/8" x 9 5/8" casing annulus bradenhead squeezed w/300 sx. **7" casing perforated @ 2,720' and cemented to surface w/400 sx.																								
30-025-07411	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	441	I	Active	330'	S	660'	E	P	28	18S	38E	Dec-34	4,320'	13"	10 3/4"	243'	150	Surface	2,415' *	Calc.	4,045'-4,272' Perf. 4,045'-4,272' Perf.	Estimated Hole Sizes
*5 1/2" casing perforated @ 2,545' & squeeze cemented w/400 sx. 5 1/2" casing perforated @ 2,170' & squeeze cemented w/300 sx. TOC @ 1,940'																								
30-025-07569	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	3	P	TA	1980'	S	560'	W	L	34	18S	38E	Feb-32	4,240'	19 3/4"	16"	216'	125	58'	2,863' *	Calc.	4,072'-4,191' Perf. PBTD-4,192'	TA'd w/CIBP + 40' cmt. @ 3,960' Estimated Hole Sizes

GROUP 9

GROUP 9

SA/Grayburg Wells with Surface, Intermediate, Production Casing and a Full Liner 36 Wells

Protectable Water depth
40' to approx. 200-250'

Top of cement on the surface strings ranged
from 131' to surface.

Shallowest Surface Casing Set at 140'
Deepest Surface Casing Set at 292'

Shallowest Intermediate Casing Set at 1523'

Top of cement on the intermediate strings
range from 1947' to Surface.

Deepest Intermediate Casing Set at 2979'

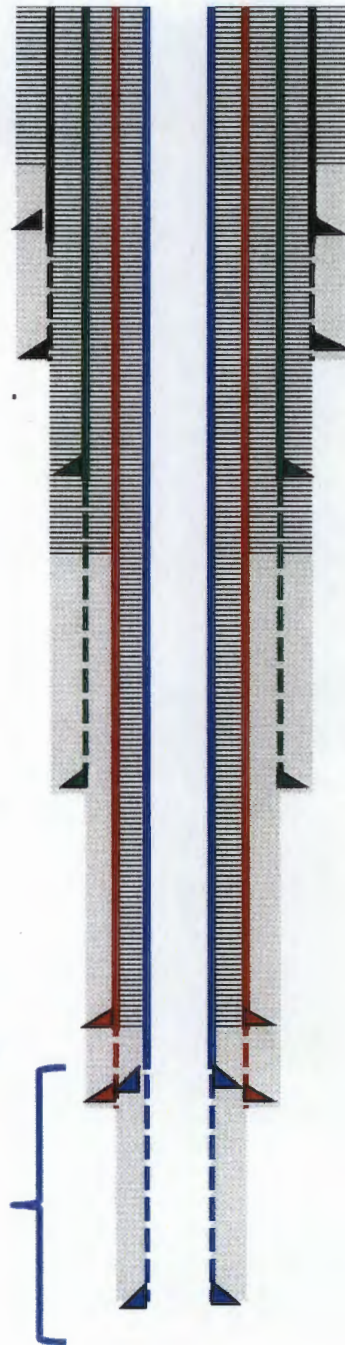
Top of cement behind production casing
range from 3707' to surface
Shallowest Production Casing Set at 3259'

Deepest Production Casing Set at 4075'

Grayburg and San Andres
Formations

Shallowest liner set at 3952'
Deepest liner set at 4329'

Liner TOC ranges from Surface to 3718'.
Liner has been cemented to inside
production casing in all wells.



Wells with Surface, Intermediate, Production Casing and Full Liner
Occidental Permian LTD.
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

GROUP 9

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. INS.	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSC. SIZE	SET AT	SV. CMT.	MTD. TOP	COMPLETION	REMARKS
30-025-07679	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	68	I	TA	660'	N	2310'	E	B	10	19S	38E	Mar-37	4,245'	17"	13"	220'	200	Surface	658'*	4,204'-4,221' Perf.
*9 5/8" & 7" casing strings perforated @ 340 & 226 & 9 5/8" casing cemented to surface w/1000 sx. **7" casing perforated & cemented at the following depths: 2,952 w/750 sx.; 1,820 w/500 sx.; 1,660 w/750 sx.; 1,500 w/300 sx.; 1,500 w/150 sx. & cement circulated to surface.																						
30-025-07570	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	4	P	Active	2004'	S	1740'	W	K	34	18S	38E	Oct-32	4,287'	19 3/4"	16"	226'	75	131'	1,637'	4,120'-4,206' Perf.
*8 5/8" casing perforated @ 2,200 and cemented w/1200 sx. 8 5/8" casing perforated @ 1,825 & cemented to surface w/600 sx.																						Estimated Hole Sizes
30-025-07596	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	59	I	TA	660'	S	2310'	E	O	3	19S	38E	Jan-37	4,256'	17"	13"	210'	175	Surface	500	4,173'-4,242' Perf.
7" casing perforated & cement squeezed @ 3,020 w/400 sx. TOC calculated @ 973.																						500
30-025-07672	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	66	I	Active	660'	N	660'	W	D	10	19S	38E	Jun-30	4,280'	19 3/4"	16"	158'	50	95'	1,370'*	4,130'-4,180' Perf.
*RIH w/1" pipe down surface csg & cemented to surface from a depth of 60. **8 5/8" casing cut & pulled @ 227 and new casing run to 227. 8 5/8" casing perforated @ 3,630-31 & 3,640-41 & cemented w/40 sx. 8 5/8" casing perforated @ 3,730 & cemented w/250 sx. 8 5/8" casing perforated @ 500 & cemented w/800 sx.																						Estimated Hole Sizes
30-025-07565	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	5	P	TA	660'	S	660'	E	P	33	18S	38E	Oct-31	4,242'	19 3/4"	16"	209'	125	52'	1,830'	3,183'-4,208' Perf.
*8 5/8" casing perforated @ 3,182-3,186 & cemented w/600 sx. **5 1/2" casing perforated @ 1,900-1,901 and cemented to surface w/320 sx.																						Estimated Hole Sizes
30-025-07624	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	13	I	Active	330'	N	2310'	W	C	5	19S	38E	Sep-30	4,243'	19 3/4"	16"	163'	55	94'	1,947'	4,044'-4,173' Perf.
*Bradenhead squeezed 6 5/8" x 10 3/4" annulus w/200 sx.																						Estimated Hole Sizes
30-025-07602	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	44	P	Active	2310'	S	1650'	E	J	4	19S	38E	Jul-30	4,244'	19 3/4"	16"	140'	75	45'	1,939'*	4,076'-4,190' Perf.
*10 3/4" casing perforated @ 500 and cemented to surface w/300 sx. **8 5/8" casing perforated @ 2,740 & cemented to surface w/600 sx. ***4 1/2" liner initially set 3,809-4,190 w/100 sx. Subsequently ran 4 1/2" tieback casing 0-3,809 w/325 sx.																						Estimated Hole Sizes
30-025-07613	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	30	I	Active	1980'	N	660'	E	H	5	19S	38E	Aug-30	4,230'	13 3/4"	12 1/2"	192'	150	Surface	500	4,050'-4,168' Perf.
*9 5/8" casing perforated @ 165 and cemented to surface w/65 sx. **7" casing perforated @ 2,800 & cement squeezed w/160 sx. 7" casing cemented through hole @ 1,820 w/260 sx. 7" casing cemented to surface w/125 sx. through perforations and/or holes @ 620 & 450.																						Estimated Hole Sizes. Some data obtained from PMX-132
30-025-07614	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	14	P	Active	334'	N	2317'	E	B	5	19S	38E	Aug-30	4,250'	16"	13"	203'	150	Surface	500	4,168'-4,230' O.H.
*9 5/8" casing perforated @ 180 and cemented to surface w/74 sx. **7" casing perforated @ 2,961, 2,861, & 2,761 & cemented to 900 w/425 sx. 7" casing cemented to surface from 820 w/225 sx.																						Some data obtained from PMX-132
30-025-07576	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	7	P	TA	660'	S	1080'	W	N	34	18S	38E	Dec-32	4,273'	19 3/4"	16"	200'	75	105'	1,449'	4,056'-4,190' Perf.
*8 5/8" casing perforated & cemented at the following depths: 2,750-2,852 w/800 sx. TOC @ 2,400; 2,340-2,342 w/1000 sx. TOC @ 1,900; 1,840-1,848 cemented to surface w/750 sx.																						Estimated Hole Sizes
30-025-07539	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	341	I	Active	330'	S	2310'	E	O	32	18S	38E	Aug-30	4,236'	19 3/4"	16"	221'	250	Surface	556	4,092'-4,202' Perf.
30-025-07536	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	441	P	Active	660'	S	660'	E	P	32	18S	38E	Jun-30	4,244'	15"	12 1/2"	188'	125	Surface	400	4,071'-4,224' Perf.
7" casing perforated @ 2,760 and cemented w/100 sx. 7" casing perforated @ 900 and cemented to surface w/765 sx.																						Estimated Hole Sizes
30-025-07600	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	33	I	Active	2310'	N	1650'	E	G	4	19S	38E	Apr-30	4,255'	19 3/4"	16"	152'	560	Surface	75	4,022'-4,248' Perf.
*6 5/8" casing perforated @ 1,500 and cemented to surface w/500 sx. **4 1/2" liner initially set 3,868-4,264 and cemented w/75 sx. Subsequently ran 4 1/2" tieback casing from 0-3,868 & cemented w/600 sx.																						
30-025-07619	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	15	P	TA	660'	N	660'	E	A	5	19S	38E	May-30	4,225'	13 3/4"	12 1/2"	192'	150	Surface	500	4,084'-4,175' Perf.
7" casing perforated @ 2,750, 2,725, 2,700, 2,500, 2,400, 2,200, 1,200 & 1,150 and could not circulate. Squeezed perforations @ 2,400 w/100 sx & 2,200 w/80 sx. Perforated 7" & 9 5/8" @ 190 and cemented both casing strings to surface w/450 sx.																						CIBP @ 4,060'. Estimated Hole Sizes
30-025-07620	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	29	I	Active	1985'	N	1988'	E	G	5	19S	38E	Nov-30	4,220'	15"	13"	175'	175	Surface	500	4,175'-4,225' O.H.
*9 5/8" & 7" casing perforated @ 160 and cement circulated to surface w/75 sx. **7" casing perforated @ 2,511-2,720 and cemented to surface w/400 sx. ***5 1/2" casing perforated @ 4,000 & squeeze cemented w/225 sx. TOC @ 3,718 by CBL.																						Estimated Hole Sizes. Some data obtained from PMX-132
30-025-07682	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	63	I	Active	660'	N	1980'	W	C	9	19S	38E	Oct-30	4,257'	19 3/4"	16"	144'	125	Surface	350	4,133'-4,158' Perf.
*8 5/8" casing perforated @ 2,730 and well file indicates that cement was circulated to surface. Well file does not indicate amount of cement used. 8 5/8" casing was subsequently perforated @ 500 and cemented to surface w/500 sx.																						Estimated Hole Sizes
30-025-07675	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	85	I	Active	1980'	S	660'	W	L	10	19S	38E	Mar-32	4,210'	19 3/4"	16"	204'	125	46'	1,424'*	4,134'-4,168' Perf.
*Bradenhead squeezed 16" X 10 3/4" annulus w/170 sx. ** Perforated 5 1/2" & 8 5/8" casing strings @ 2,100 and squeeze cement																						5 1/2" csg. stage cmt. 1st stage-100 sx. 2nd stage-450 sx. DV Tool @ 3,839'
30-025-07671	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	73	I	Active	1980'	N	1980'	E	G	9	19S	38E	Apr-37	4,269'	17"	13"	212'	200	Surface	369	4,146'-4,172' Perf.
7" casing perforated @ 2,000 and cemented w/1200 sx. 7" casing perforated and cemented at the following intervals: 500 w/750 sx.; 350 w/500 sx. 200 w/500 sx. 0-200 w/500 sx.																						4,178'-4,215' O.H.
**4 1/2" csg. initially set @ 3,864-4,178 w/130 sx. Subsequently, 4 1/2" tieback casing set from 0-3,864 and circulated to surface w/432 sx.																						

GROUP 9
Wells with Surface, Intermediate, Production Casing and Full Liner
OCCIDENTAL PERMIAN LTD.
AREA OF REVIEW WELL DATA
SOUTH HOBBS GRAYBURG-SAN ANDRES UNIT

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. INS	NIS	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSQ. SIZE	SET AT	6X CMT. TOP	MTD.	HOLE SIZE	CSQ. SIZE	SET AT	6X CMT. TOP	COMPLETION	REMARKS				
30-025-07587	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	22	I	Active	660'	N	1980'	W	C	3	19S	38E	Sep-32	4,315'	9 7/8"	8 5/8"	4,003'	150	2,904"	Calc.	13 3/4"	7 7/8"	5 1/2"	4,195' **	75	1,457' Surface***	Calc.	4,171'-4,200' Perf. 4,195'-4,315' O.H.	Estimated Hole Sizes
*8 5/8" casing perforated @ 3,260 and cemented w/2,575 sx. TOC calculated @ surface. **5 1/2" csg. initially set 3,878-4,195 w/75 sx. Subsequently ran 5 1/2" tieback csg. from 0-3,878. 5 1/2" casing perforated @ 3,865 and cemented to surface w/700 sx.																														
30-025-07621	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	187	I	Active	1980'	S	1980'	E	J	5	19S	38E	Oct-30	4,220'	17 1/2"	15 1/2"	180'	250	2,800'	Calc.	11 5/8"	9 5/8"	4 1/2"	2,979'	600	588' Surface	Calc.	4,094'-4,203' Perf. 4,203'-4,220' O.H.	Estimated Hole Sizes
*7" casing perforated @ 3,025 and squeeze cemented w/550 sx. 7" casing perforated @ 2,290 and squeeze cemented w/250 sx. 7" casing perforated @ 515 and cemented to surface w/100 sx.																														
30-025-07599	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	34	I	Active	1980'	N	660'	E	H	4	19S	38E	Jan-33	4,332'	19 3/4"	16"	199'	85	92'	Calc.	13 3/4"	10 3/4"	5 1/2"	4,206'	75	1,397' * Surface	Calc.	4,073'-4,202' Perf.	
*10 3/4" casing perforated @ 1,580-81 and cemented to surface w/400 sx. ** 8 5/8" casing perforated @ 3,160-62 & cemented w/700 sx. Well file indicates TOC @ 400.																														
30-025-07593	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	47	I	TA	1980'	S	1980'	W	K	3	19S	38E	Jul-35	4,280'	15 3/8"	13 3/8"	216'	133	Surface	Calc.	12 3/4"	10 3/4"	4 1/2"	1,675'	350	414' Surface **	Calc.	4,140'-4,200' Perf. 4,210'-4,232' O.H.	Estimated Hole Sizes TA'd w/Packer @ 3,838'
*7" casing perforated & cement squeezed at the following intervals: 3,149 w/500 sx. TOC-1,840; 2,450 w/600 sx. TOC @ 1,890; 1,800 w/500 sx. TOC @ 1,490; 1,416 w/400 sx. TOC @ 505; 468 w/300 sx. TOC @ 388																														
*4 1/2" csg. initially set 3,918-4,210 w/80 sx. Subsequently ran 4 1/2" tieback csg. 0-3,918 & cemented to surface w/430 sx.																														
30-025-07594	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	58	I	TA	660'	S	1980'	W	N	3	19S	38E	Apr-31	4,220'	18"	16"	158'	100	Surface	Calc.	12 3/4"	10 3/4"	5 1/2"	1,624'	75	1,354' Surface	Calc.	4,136'-4,216' Perf.	Estimated Hole Sizes TA'd w/Packer @ 4,094'
*8 5/8" casing perforated & cement squeezed at the following intervals: 3,725 w/500 sx. TOC-3,150; 3,090 w/1000 sx. TOC @ 2,898; 2,660 w/1000 sx. TOC @ 2,020; 1,900 w/500 sx.; 1,650 w/230 sx. TOC @ Surface.																														
30-025-07676	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	67	I	Active	660'	N	1980'	W	C	10	19S	38E	Nov-30	4,250'	19 3/4"	16"	185'	100	59'	Calc.	13 3/4"	10 3/4"	5 1/2"	1,599'	75	1,426' * Surface	Calc.	4,126'-4,214' Perf.	5 1/2" csg. stage cmt. 1st stage-150 sx 2nd stage-425 sx. DV Tool @ 3,248'
*10 3/4" & 8 5/8" casing strings perforated @ 500-501 and cemented both annulus to surface w/450 sx. **8 5/8" casing leak from 3,920-3,950 squeezed w/ 100 sx. 8 5/8" casing perforated @ 3,630 & 3,750 and cemented w/700 sx.																														
30-025-07678	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	76	I	Active	1980'	N	660'	W	E	10	19S	38E	Oct-32	4,260'	19 3/4"	16"	200'	75	105'	Calc.	13 3/4"	10 3/4"	5 1/2"	1,568'	75	1,395' * Surface	Calc.	4,126'-4,226' Perf.	5 1/2" csg. stage cmt. 1st stage-80 sx 2nd stage-550 sx. DV Tool @ 3,804'
*10 3/4" & 8 5/8" casing strings perforated @ 500 and both annulus cemented w/350 sx. **8 5/8" casing perforated & cemented at the following depths: 3,030 w/300 sx. TOC @ 2,560; 2,525 w/1250 sx. TOC @ 1,630; 1,600 w/600 sx. TOC @ surface.																														
30-025-07609	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	56	I	Active	660'	S	660'	E	P	4	19S	38E	Jun-30	4,260'	19 3/4"	16"	148'	50	85'	Calc.	13 3/4"	10 3/4"	5 1/2"	1,583'	76	1,408' Surface	Calc.	4,092'-4,226' Perf. DV Tool @ 3,385'	1st Stage-160 sx. 2nd Stage-550 sx. Estimated Hole Sizes
30-025-07611	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	55	I	Active	660'	S	1980'	E	O	4	19S	38E	Jan-33	4,261'	19 3/4"	16"	196'	85	89'	Calc.	13 3/4"	10 3/4"	5 1/2"	1,585'	75	1,413' * Surface	Calc.	4,143'-4,191' Perf.	5 1/2 csg stage cmt.d. 80 sx & 550 sx DV @ 3850'
*10 3/4" casing perforated @ 500 and cemented to surface w/300 sx. **8 5/8" casing leak @ 1,689-1,721 squeeze cemented to surface w/750 sx.																														
30-025-07537	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	431	I	Active	2310'	S	330'	E	I	32	18S	38E	Jun-30	4,245'	15"	12 1/2"	205'	225	Surface	Calc.	11 5/8"	9 5/8"	5"	4,244'	65	857' PMX File	Calc.	4,050'-4,218' Perf.	Estimated Hole Sizes
* 7" casing perforated @ 2,699'-2,700' & squeeze cemented w/100 sx.																														
30-025-07548	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	321	P	Active	1980'	N	1980'	E	G	33	18S	38E	Nov-32	4,244'	18"	15 1/2"	237'	250	Surface	Calc.	11 5/8"	9 5/8"	5 1/2"	4,243'	300	365' Well File	Calc.	4,093'-4,234' Perf.	Estimated Hole Sizes
* 7" x 9 5/8" annulus bradenhead squeezed w/80 sx.																														
30-025-07555	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	311	P	Active	330'	N	2310'	E	B	33	18S	38E	Jul-34	4,221'	15 3/8"	13 3/8"	292'	200	Surface	Calc.	11 5/8"	9 5/8"	5 1/2"	4,086'	75	1,351' Calc.	Calc.	4,086'-4,221' O.H..	
Set cmt. retainer @ 3,562' & pumped 750 sx. Circulated 70 sx out 9 5/8" casing. Bradenhead squeezed 13 3/8" casing w/500 sx. cement. Repaired 5 1/2" casing leak @ 633; squeezed w/70 sx. & circulated 20 sx out 5 1/2" x 7" casing annulus.																														
30-025-07578	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	221	P	TA	1980'	N	1700'	W	F	34	18S	38E	Jul-32	4,222'	15"	12 1/2"	222'	200	Surface	Calc.	11 5/8"	9"	5"	4,221'	400	1,529' * Surface	Calc.	4,102'-4,217' Perf.	TA'd w/CIBP @ 4,084' Estimated Hole Sizes
* Bradenhead squeezed 12 1/2" x 9" casing annulus w/600 sx. ** Perforated 7" casing @ 3,200' & squeezed w/75 sx. *** Well file indicates that cement behind 5" casing was circulated to surface, but does not indicate amount of cement used.																														
30-025-07408	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	141	P	Active	330'	S	287'	W	M	27	18S	38E	Aug-34	4,258'	15"	12 1/2"	275'	150	Surface	Calc.	11 5/8"	9 5/8"	5 1/2"	1,650'	363	226' Calc.	Calc.	4,032'-4,218' Perf. 4,225'-4,258' O.H.	Estimated Hole Sizes
* 5 1/2" casing perforated @ 2,550'-54 & 5 1/2" x 7" casing annulus cemented to surface w/1375 sx.																														
30-025-07409	Occidental Permian Ltd.	N. Hobbs G/SA Ut.	241	I	TA	330'	S	1325'	W	N	27	18S	38E	Dec-34	4,364'	15"	12 1/2"	233'	700	Surface	Circ.	12 1/4"	9 5/8"	5 1/2"	1,648'	350	558' Surface	Calc.	4,235'-4,350' Perf.	TA'd w/ CIBP @ 4,202'
* Perforated 7" casing @ 2,450' & squeeze cemented w/150 sx. Perforated 7" casing @ 1,700' & squeeze cemented w/600 sx.																														
30-025-07659	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	84	I	TA	1995	S	660	E	I	9	19S	38E	Jul-32	4215'	18"	16"	196'	100	Surface	Circ.	13 3/8"	10 3/4"	5 1/2"	1583'	75	1383' Calc.	Calc.	4169-4176 PB @ 4181'	Estimated Hole Sizes
Squeezed Perfs 4006-68', 4110-44', 4158-68'																														
30-025-07668	Occidental Permian Ltd.	S. Hobbs G/SA Ut.	83	I	TA	1980	S	1980	E	J	9	19S	38E	Jun-37	4215'	15"	13"	198'	275	Surface	Circ.	8 3/4"	7"	7"	4058'	3000	2222' Surface	Calc.	3,945'-4,297' Perf.	
5/58" cmt retainer @ 3979, sqzd with 500 sks. 5/61" sqzd perfs w/ 300 sks. DO to 4082; 9/61" Perfd 1660-61; sqzd w/ 340 sks. 12/63" - PB to 4165', ran a liner. 10/87 tie back liner to surface. 11/84 - Set cmt retainer @ 4097, sqzd w/ 250 sks. Perfd 4186-4211'.																														
30-025-07410	Occidental Permian Ltd.	N. Hobbs G/SA Ut	131 P	Active		1650 S		412 W	L		27	18S	38E	Jun-1935	4300	15 8 5/8"	12 1/2" 7	257 4057	155 Surface 250 2688 Calc	250 Surface 2688 Calc	Circ	12 1/2" 7	9 5/8" 5 1/2"	1645 4300	200 350	800 Calc Surface Circ	Calc	4034 - 4073 Perf	Estimated Hole Sizes	

P&A WELLS

GROUP 10

OXY, USA - South Hobbs Unit
Area of Review - P & A Well Construction Data

API NUMBER	WELL NAME	WELL NO.	WELL TYPE	STATUS	FTQ. NS	FTQ. E/W	ENV	UNIT	SEC.	TEMP.	RNG.	SPUD DATE	TOTAL DEPTH	HOLE SIZE	CSQ. SIZE	SET AT	S/L CMT. TOP	MTD. HOLE SIZE	CSQ. SIZE	SET AT	S/L CMT. TOP	CMT. TOP	MTD. HOLE SIZE	CSQ. SIZE	SET AT	S/L CMT. TOP	MTD. HOLE SIZE	CSQ. SIZE	SET AT	S/L CMT. TOP	REMARKS								
3002507592	South Hobbs GSA Unit	23	Oil	P&A	660	N	2370	E	B	3	19-S	38-E	5/2/1935	4232	*	12.5	208	150	Circ.	Circ.	*	7	4055	500	Circ.	Circ.	*	5	4200	800	4316	DV							
3002507593	South Hobbs GSA Unit	57	Oil	P&A	205	S	205	W	M	3	19-S	38-E	3/9/1929	4220	*	20	185	600	Circ.	Circ.	*	13	1549	125	1389	Calc.	*	8 5/8	4025	80	1217	Calc.							
3002507594	South Hobbs GSA Unit	37	Oil	P&A	1980	N	2310	E	G	3	19-S	38-E	8/3/1935	4290	17	12.5	211	175	Circ.	Circ.	9.625	7	4174	500	Circ.	Circ.	*	5	4180	345	4316	DV							
3002507595	South Hobbs GSA Unit	24	Oil	P&A	620	N	1293	E	A	3	19-S	38-E	7/13/1941	4234	12	9.625	194	60	Circ.	Circ.	8.75	5.5	4114	518	Surf	N/R	*	4.5	4178	96	Circ.	Circ.							
3002507596	South Hobbs GSA Unit	38	Oil	P&A	2205	N	1293	E	H	3	19-S	38-E	8/25/1941	4233	12	9.625	186	175	Circ.	Circ.	8.75	5.5	4132	500	3148	CBL								4.5" Liner					
3002507590	South Hobbs GSA Unit	48	Oil	P&A	1980	S	2310	E	J	3	19-S	38-E	10/5/1935	4250	17.5	13	221	175	7	Calc.	12.5	9.625	1690	560	50	Calc.	8.75	7	4071	290	3202	CBL	6.125	4.5	4250	90	3773	TOL	
3002507592	South Hobbs GSA Unit	49	Oil	P&A	1980	S	1293	E	I	3	19-S	38-E	8/20/1945	4310	13.75	10.75	355	300	Circ.	Circ.	8.75	7	4141	800	Surf	N/R	N/R	6.125	4.5	4291	70	3678	TOL					4.5" Liner	
3002507595	South Hobbs GSA Unit	60	Oil	P&A	760	S	990	E	P	3	19-S	38-E	5/6/1955	4290	11	8.625	308	240	Circ.	Circ.	7.875	5.5	4280	670	1850	Calc.									4.5" Liner				
3002507604	State A2 RA/A	11-Y	Oil	P&A	810	N	2030	W	C	4	19-S	38-E	12/22/1951	8160	17.5	13.375	1544	150	Circ.	Circ.	12	9.625	4434	815	1500	Calc.	8.75	5.5	7365	200	4300	Calc.							
3002507606	State A Tract 1	7	Oil	P&A	330	N	660	W	D	4	19-S	38-E	12/21/1948	3205	12.25	9.625	432	250	Circ.	Circ.	7.375	5.5	3092	700	Surf	N/R													
3002524079	Byers B	34	Oil	P&A	713	N	1840	E	B	4	19-S	38-E	3/31/1972	7318	15	11.75	391	275	Circ.	Circ.	11	8.625	3892	500	1977	Calc.	7.875	5.5	7318	575	4663	Calc.					5 yds Redi-mix		
3002528986	South Hobbs GSA Unit	196	Oil	P&A	245	S	96	W	M	4	19-S	38-E	11/8/1984	4300	*	14	40	5	Fill	Fill	12.25	8.625	1503	725	Circ.	Circ.	7.875	5.5	4300	825	Circ.	Circ.							
3002535554	South Hobbs GSA Unit	245	Oil	P&A	1303	S	708	E	P	4	19-S	38-E	5/24/2001	4305	18	14	40	50	Circ.	Circ.	12.25	8.625	1555	850	Circ.	Circ.	7.875	5.5	4302	850	Circ.	Circ.							
3002507612	South Hobbs GSA Unit	53	Oil	P&A	660	S	660	W	M	4	19-S	38-E	4/4/1934	4231	17	12.75	196	200	Surf.	Circ.	13.5	9	2778	600	Surf.	Circ.	12.25	7	3965	200	3632	Calc.	6.75	4.5	4220	50	TOL		
3002507615	H.D. McKinley	5	Gas	P&A	610	N	1980	E	B	5	19-S	38-E	7/20/1948	3830	12.25	9.625	292	50	Surf	N/R	8.75	7	3112	625	Surf	N/R	8.25	5.5	3830	50	2971	TOL					5.5" Liner		
3002507616	H.D. McKinley	6	Oil	P&A	585	N	585	E	A	5	19-S	38-E	8/9/1948	3210	12.25	9.625	288	150	Surf	N/R	8.75	5.5	3112	675	Surf	N/R													
3002507617	H.D. McKinley	2	Oil	P&A	1980	S	660	E	I	5	19-S	38-E	8/28/1930	4175	*	12.5	210	175	Circ.	Circ.	*	9	2795	600	Surf	N/R	*	7	3956	200	2736	Calc.							
3002507622	State A-5	2	Oil	P&A	990	S	1650	E	O	5	19-S	38-E	8/29/1948	4283	13.75	10.75	350	300	Surf	N/R	8.75	5.5	4282	650	Surf	N/R													
3002507625	South Hobbs GSA Unit	12	Oil	P&A	330	N	330	W	D	5	19-S	38-E	8/18/1930	4201	*	16	185	75	Circ.	Circ.	* 10.75	2782	350	1909	Calc.	*	6.625	3977	150	1394	Calc.	*	4	4229					
3002507626	H.D. McKinley	8	Oil	P&A	660	N	660	W	D	5	19-S	38-E	5/22/1948	3257	12.125	9.625	350	200	Circ.	Circ.	8.75	6.625	3179	800	650	Rpt													
3002507627	H.D. McKinley	12	Oil	P&A	660	N	2310	W	C	5	19-S	38-E	7/9/1948	3216	12.25	9.625	450	300	Circ.	Circ.	*	5.5	3140	1000	950	Temp													
3002507628	H.D. McKinley	19	Oil	P&A	1650	N	660	W	E	5	19-S	38-E	6/22/1948	3244	12.25	9.625	453	275	Circ.	Circ.	8.75	5.5	3151	1200	425	Temp													
3002507630	South Hobbs GSA Unit	28	Oil	P&A	1980	N	1980	W	F	5	19-S	38-E	10/22/1930	4226	*	13	212	150	7	Calc.	*	9.625	2711	300	50	Calc.	*	6.625	3950	150	3078	Calc.	*	4.5	4183	150	3854	TOL	4.5" Liner
3002520933	South Hobbs GSA Unit	41	Inj.	P&A	2310	S	460	E	I	5	19-S	38-E	7/10/1964	4232	13.375	10.45	419	150	Surf.	Circ.		None					6.75	4.5	4088	200	2906	CBL							
3002507636	O.O. Bradley	2	Oil	P&A	330	N	480	E	A	6	19-S	38-E	2/17/1948	3273	12.25	8.625	490	250	Circ.	Circ.	7.875	5.5	3200	800	Surf	N/R													
3002507637	O.O. Bradley	3	Oil	P&A	330	N	1650	E	B	6	19-S	38-E	3/8/1948	3277	12.25	8.625	313	250	Circ.	Circ.	7.875	5.5	3238	800	Surf	N/R													
3002507638	O.O. Bradley	4	Oil	P&A	1650	N	330	E	H	6	19-S	38-E	3/24/1948	3270	12.25	8.625	302	250	Circ.	Circ.	7.875	5.5	3237	800	Surf	N/R													
3002507639	South Hobbs GSA Unit	113	Oil	P&A	1650	N	1650	E	G	6	19-S	38-E	4/9/1948	4175	12.25	8.625	321	250	Circ.	Circ.	7.875	5.5	3279	800	Surf	N/R	7.875	4	4112	155	3042	TOL					4" Liner		
3002507640	South Hobbs GSA Unit	10	Oil	P&A	480	N	1650	E	B	6	19-S	38-E	6/10/1948	4237	17.5	13.375	362	250	Circ.	Circ.	7.875	5.5	4085	1250	Surf	N/R													
3002507642	South Hobbs GSA Unit	115	Oil	P&A	2310	S	330	E	I	6	19-S	38-E	6/13/1952	4250	11	8.625	360	300	Circ.	Circ.	7.875	5.5	4242	700	Surf	N/R													
3002507643	South Hobbs GSA Unit	117	Oil	P&A	990	S	330	E	P	6	19-S	38-E	4/30/1953	4154	12	9.625	280	300	Surf.	N/R	9.25	7	4050	450	1980	Calc.													
3002507644	South Hobbs GSA Unit	114	Oil	P&A	2310	S	1650	E	J	6	19-S	38-E	10/17/1952	4150	11	8.625	260	300	Circ.	Circ.	7.625	5.5	4149	300	833	Calc.													
3002507645	South Hobbs GSA Unit	116	Oil	P&A	990	S	1650	E	O	6	19-S	38-E	3/15/1957	4236	11	8.625	315	300	Circ.	Circ.	7.75	5.5	4100	200	2972	Calc.													
3002507646	Fowler B	1	Oil	P&A	2310	S	2317	W	K	6	19-S	38-E	2/4/1959	4250	12.25	8.625	1652	736	Circ.	Circ.	7.875	5.5	4250	150	2592	Calc.													
3002507647	South Hobbs GSA Unit	9	Oil	P&A	330	N	2310	W	C	6	19-S	38-E	11/9/1930	4221	*	15.5	200	175	Surf.	N/R	*	10.75	2777	400	1779	Calc.	*	7	3826	250	3202	CBL	*	5	4221	250	3802	TOL	5" Liner
3002507648	South Hobbs GSA Unit	25	Oil	P&A	1657	N	2272	W	F	6	19-S	38-E	11/18/1957	4332	11	8.625	300	200	Circ.	Circ.	7.875	5.5	4332	780	950	Calc.													
3002507649	South Hobbs GSA Unit	8	Inj.	P&A	330	N	933	W	D	6	19-S	38-E	12/3/1958	4272	12.25	8.625	322	250	Circ.	Circ.	7.875	5.5	4272	600	888	Calc.													
3002527622	State H	4	Oil	P&A	660	N	1980	W	C	6	19-S	38-E	11/20/1981	3400	12.25	8.625	401	250	Circ.	Circ.	7.875	5.5	3400	800	Surf	N/R													
3002528197	Fowler B	1	Oil	P&A	2310	S	2317	W	K	6	19-S	38-E	5/7/1983	4303	11	8.625	363	200	Circ.	Circ.	7.875	5.5	4303	800	Surf	N/R													
3002529410	South Hobbs GSA Unit	200	Oil	P&A	2310	N	2310	E	G	6	19-S	38-E	10/16/1985	4185	18	14	40	13	Fill	Fill	12.25	8.625	1595	875	Circ.	Circ.	7.875	5.5	4175	1150	Circ.	Circ.					13 sacks + 2.5 Redi-mix		
3002529442	South Hobbs GSA Unit	198	Oil	P&A	749	N	1981	W	C	8	19-S	38-E	11/29/1985	4264	20	14	40	3	Fill	Fill	12.25	8.625	1584	1100	Circ.	Circ.	7.875	5.5	4264	950	Circ.	Circ.					3 yds. Redi-mix		
3002529443	South Hobbs GSA Unit	202	Oil	P&A	1650	S	1100	E	I	6	19-S	38-E	11/13/1985	4174	18	14	40	2.5	Fill	Fill	12.25	8.625	1662	1075	Circ.	Circ.	7.875	5.5	4166	750	Circ.	Circ.					2.5 yds. Redi-mix		
3002529458	South Hobbs GSA Unit	199	Oil	P&A	1028	N	2310	E	B	6	19-S	38-E	10/28/1985	4137	18	14	40	2.5	Fill	Fill	12.25	8.625	1625	850	Circ.	Circ.	7.875	5.5	4137	775	Circ.	Circ.					2.5 yds. Redi-mix		
3002529459	South Hobbs GSA Unit	201	Oil	P&A	2310	N	1028	E	H	6	19-S	38-E	11/8/1985	4108	18	14	40	2.5	Surf.	Circ.	12																		

3002507681	South Hobbs GSA Unit	78	Oil	P&A	1980	N	2310	E	G	10	19-S	38-E	5/8/1937	4280	17	13	220	150	Circ.	Circ.	12.5	9.625	1651	350	726	Calc.	8.75	7	4077	375	2808	Rpt	*	4.5	4280	410	Circ.	DV	4.5" Liner			
3002507682	South Hobbs GSA Unit	96	Oil	P&A	330	S	2310	E	O	10	19-S	38-E	4/24/1930	4190	*	15.5	118	150	Circ.	Circ.	*	10	1523	75	1336	Calc.	6.625	4064	60	3471	Calc.							4.5" Liner				
3002512724	South Hobbs GSA Unit	88	Oil	P&A	1650	S	2310	E	J	10	19-S	38-E	10/19/1929	4250	*	12.5	210	160	Surf.	N/R	*	9	2720	500	Surf.	N/R	*	7	3975	250	2976	CBL	*	4.5	3761	500	3762	TOL	4.5" Liner			
3002512726	South Hobbs GSA Unit	95	Inj	P&A	990	S	2310	E	O	10	19-S	38-E	6/9/1929	4254	*	15.5	111	40	Surf.	N/R	*	10.25	1657	100	1475	Calc.	6.625	4076	400	2910	CBL	8	4.5	4250	100	3605	TOL	4.5" Liner				
3002512727	South Hobbs GSA Unit	93	Oil	P&A	990	S	2310	W	N	10	19-S	38-E	10/7/1929	4220	*	15.5	292	80	139	Calc.	*	10.75	1668	40	1588	Calc.	8.625	4072	130	3127	Calc.											
3002520113	South Hobbs GSA Unit	79	Oil	P&A	1980	N	990	E	H	10	19-S	38-E	7/31/1963	4194	12	8.625	404	225	Circ.	Circ.	7.875	4.5	4180	275	2860	CBL												2 - 5.5" Liners Cement to surface 4.5" from Surface				
3002521341	South Hobbs GSA Unit	89	Inj	P&A	2310	S	940	E	I	10	19-S	38-E	3/26/1965	4235	11	8.625	372	300	Circ.	Circ.	7.875	5.5	4180	300	2860	CBL												Cut & pull 5-1/2" @ 830'				
3002522006	South Hobbs GSA Unit	97	Inj	P&A	990	S	990	E	P	10	19-S	38-E	1/12/1967	4250	12.5	8.625	316	200	Circ.	Circ.	7.875	5.5	4215	300	2827	Calc.												1st P&A 1930; Replugged by Amoco 1984				
3002526121	South Hobbs GSA Unit	126	Oil	P&A	1295	S	1365	W	N	10	19-S	38-E	10/28/1978	4258	15	11.75	1602	660	Circ.	Circ.	12.25	8.625	3974	1200	Circ.	Circ.	7.875	5.5	4257	100	Circ.	TOL							4.5" Liner			
3002507679	South Hobbs GSA Unit	68	Oil	P&A	2310	N	2310	E	B	10	19-S	38-E	3/15/1937	4226	17	12.75	220	200	Surf.	Circ.	12.25	9.625	1659	375	561	Calc.	12.25	7.7	1070	350	3150	CBL	6.75	4.5	4246	700	300	CBL				
3002512728	South Hobbs GSA Unit	95	Oil	P&A	990	S	2310	E	O	10	19-S	38-E	6/9/1929	4254	17.5*	15.5	111	40	Surf.	Circ.	12.25*	10.5	1657	100	Surf.	Circ.	8.75	7	4078	400	1638	Calc.	6.75	4.5	4254	100	TOL					
3002526330	Pre-Ongard	1	Oil	P&A	330	N	1830	E	B	11	19-S	38-E	5/27/1979	3235	11	8.625	350	280	Surf.	Circ.		None					7.875	5.5	4300	200	3241	Calc.							Cut & pull 5-1/2" @ 830'			
3002507686	Pre-Ongard	1	Oil	P&A	2310	S	330	W	L	14	19-S	38-E	11/25/1929	4500	17.5*	15.5	136	40	Surf.	Circ.	12.5*	10.75	1672	40	1572	Calc.	10.25*	8.625	4072	80	3770	Calc.							1st P&A 1930; Replugged by Amoco 1984			
3002507700	South Hobbs GSA Unit	98	Inj.	P&A	330	N	330	E	A	14	19-S	38-E	9/29/1962	4260	12.25	8.625	303	175	Surf.	Circ.		None					6.75	4.5	4153	200	3000	Temp										
3002507688	South Hobbs GSA Unit	101	Oil	P&A	990	N	2310	W	C	15	19-S	38-E	4/20/1930	4300	*	16	130	50	52	Calc.	*	10.75	1647	75	1475	Calc.	N/R	*	7	3995	50	3349	Calc.	*	4.5	4178	100	3880	TOL	4.5" Liner		
3002507689	South Hobbs GSA Unit	102	Oil	P&A	330	N	2310	E	B	15	19-S	38-E	4/22/1930	4198	*	12.5	164	100	Surf.	N/R	*	8.25	3207	800	Surf.	N/R	*															
3002507690	South Hobbs GSA Unit	108	Oil	P&A	2310	S	2310	W	K	15	19-S	38-E	11/6/1961	4215	11	8.625	410	200	Circ.	Circ.	7.75	4.5	4215	270	3075	Calc.																
3002507691	South Hobbs GSA Unit	103	Oil	P&A	990	N	2310	E	B	15	19-S	38-E	4/21/1930	4822	*	12.5	168	100	Circ.	Circ.	*	8.25	3186	700	Surf.	N/R	*	6.625	3997	50	3740	Calc.										
3002507692	South Hobbs GSA Unit	107	INJ	P&A	1650	N	2310	E	G	15	19-S	38-E	11/1/1961	4213	*	13	197	100	Circ.	Circ.	*	8.625	3225	600	Surf.	N/R	*	7	4000	75	3031	Calc.										
3002507693	South Hobbs GSA Unit	106	Oil	P&A	1650	N	2310	W	F	15	19-S	38-E	7/6/1929	4213	*	15.5	300	75	109	Calc.	*	10.75	2854	500	1753	Calc.	*	8.625	4080	100	3300	Calc.	*	4.5	4161	60	3975	TOL	4.5" Liner			
3002507694	South Hobbs GSA Unit	100	INJ	P&A	330	N	2310	W	C	15	19-S	38-E	5/2/1930	4364	*	16	117	75	Circ.	Circ.	*	10.75	1833	75	1461	Calc.	*	8.625	4000	75	3455	Calc.	*	5.5	4151	60	3973	TOL	5.5" Liner			
3002507695	J.H. Moore	1	Oil	P&A	1980	S	660	W	L	15	19-S	38-E	10/5/1961	4239	9.875	7.875	439	200	Circ.	Circ.	6.75	2.875	4239	550	1760	Calc.																
3002507696	South Hobbs GSA Unit	111	INJ	P&A	990	S	1980	W	N	15	19-S	38-E	7/1/1961	4190	9.875	7.625	416	200	Circ.	Circ.	6.75	4.5	4189	450	1200	Calc.																
3002507697	Nordon Corp. Limited	2	Oil	P&A	990	S	990	W	M	15	19-S	38-E	11/1/1961	4210	9.875	7.625	451	200	Circ.	Circ.	6.75	2.875	4206	550	1727	Calc.																
3002507698	South Hobbs GSA Unit	110	INJ	P&A	2310	S	990	E	I	15	19-S	38-E	10/17/1961	4238	9.875	7.625	441	200	Circ.	Circ.	6.75	2.875	4166	550	1687	Calc.																
3002507699	South Hobbs GSA Unit	109	Oil	P&A	2310	S	2310	E	J	15	19-S	38-E	6/1/1930	4183	*	12.5	158	200	Surf.	N/R	*	8.25	2905	800	Surf.	N/R	*	7	3996	75	3026	Calc.	8	5.5	3973	250	Circ.	Circ.		3976	TOL	2 Strings of Liner
3002512788	Hobbs SWD E	E-15	SWD	P&A	1650	N	840	W	E	15	19-S	38-E	7/2/1957	4872	12.25	9.625	322	275	Circ.	Circ.	8.75	7	4872	1175	1200	Calc.																
3002520028	South Hobbs GSA Unit	105	INJ	P&A	1800	N	990	W	E	15	19-S	38-E	7/6/1963	4242	11	8.625	430	250	Circ.	Circ.	7.875	4.5	4142	300	2934	Calc.																
3002520539	South Hobbs GSA Unit	99	Oil	P&A	350	N	660	W	D	15	19-S	38-E	5/14/1963	4228	11	8.625	430	225	Circ.	Circ.	7.875	4.5	4130	300	2922	Calc.																
3002522482	South Hobbs GSA Unit	104	Oil	P&A	330	N	990	E	A	15	19-S	38-E	3/25/1968	4220	11	8.625	291	120	Circ.	Circ.	7.875	5.5	4210	200	3151	Calc.																
3002507407	Pre-Ongard	1	Oil	P&A	650	S	2635	E	O	27	18-S	38-E	12/6/1947	4286	11	7.875	246	250	Surf.	Circ.		None					7.875	5.5	4069	350	2790	Temp										
3002507502	Pre-Ongard	8	Oil	P&A	990	S	1650	E	O	31	18-S	38-E	12/4/1947	3270	11	8.625	410	200	Surf.	Circ.		None					7.875	4.5	3199	850	Surf.	NR										
3002507524	Pre-Ongard	6	Oil	P&A	330	S	330	E	P	32	18-S	38-E	8/16/1930	4166	16.5	13.375	207	200	Surf.	Circ.	12.25	9.625	2770	600	1013	Calc.	8.25	6.625	3965	400	1185	Calc.										
3002507532	W.D. Grimes NCT-A	14	n/a	P&A	660	S	660	W	M	32	18-S	38-E	3/9/1948	2600	12	8.625	313	235	Surf.	Circ.		None					8.75	5.5	3141	800	355	Temp										
3002507534	W.D. Grimes NCT-A	14-Y	Oil	P&A	990	S	990	W	M	32	18-S	38-E	4/4/1948	3256	12	9.625	331	235	Surf.	Circ.		None					7	5.5	3160	750	330	Temp										
3002507540	State Land 32	6	Oil	P&A	660	S	1990	E	O	32	18-S	38-E	5/12/1948	3240	11	8.625	301	125	Surf.	Circ.		None					7.875	5.5	3199	1200	Surf.	NR										
3002507549	Pre-Ongard	8	Oil	P&A	2080	S	660	W	L	33	18-S	38-E	9/15/1948	3200	17.5	13.375	362	300	Surf.	Circ.		None					7.875	5.5	3190	1200	Surf.	NR										
3002507552	Pre-Ongard	11	Oil	P&A	2310	N	2310	E	G	33	18-S	38-E	5/12/1949	3194	13.75	10.75	402	375	Surf.	Circ.		None					7.875	5.5	3190	1200	Surf.	NR										
3002507557	Pre-Ongard	6	Oil	P&A	2086	N	2086	E	B	33	18-S	38-E	5/11/1948	3226	13.375	9.625	312	375	Surf.	Circ.	12.25	9.625	3797	350	998	Circ.	8.75	5.5	3130	700	Surf.	NR										
3002523856	Conoco State	2	Oil	P&A	2086	S	2086	W	K	33	18-S	38-E	8/30/1971	7075	17	13.375	402	410	Surf.	Circ.		None					7.875	5.5	3195	1000	Surf.	NR										
3002507550	Pre-Ongard	9	Oil	P&A	585	S	585	W	M	33	18-S	38-E	10/3/1948	3235	13.375	10.75	371	300	Surf.	Circ.		None					7.875	5.5	3199	1000	Surf.	NR										
3002507551	Truckers Brine Station	2	Brine	P&A	1980	S	1980	W	K	33	18-S	38-E	2/9/1949	3198	12.25	9.625	345	200	Surf.	Circ.																						

**SECTIONS
3 & 4**

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.23

API 30-025-07582

660' FSL & 1980' FWL, SEC. 3-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/02/1935

P&A Date: 6/03/1985

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Surface
Spot 10 sxs

Sqz Perfs 500'-01' w/ 4 spf
Sqz w/ 700 sxs
(660 sxs in formation)

Spot 25 sxs
1605-1410'

Spot 25 sxs
2600-2405'

Gelled brine
between plugs

Spot 20 sxs
3890-3735'

5 sxs on tool

Cmt. Ret. @ 3900'
Sqz'd w/ 135 sxs
4 sxs Tuff Plug

Cmt. Ret. @ 4130'
Sqz Perfs 4145' -60'

P&A Marker

208'

4055'

4200'

TD @ 4232'

<PRE P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50#, H-40 csg. (Assumed 13.75" Hole) @ 208'
150 sx Class 'C' - Circulate 75 sx.

Intermediate Casing

7.0", 22# J-55 csg. (Assumed 8.75" Hole) @ 4055'
500 sx Class 'I' - Circulated

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: STOP/START REPORT OF:

| | | | |
|---------------|----------------|---------------|----------------|
| PROPOSED WORK | PLUS AND MINUS | STANDARD WORK | PLUS AND MINUS |
| PROPOSED WORK | PLUS AND MINUS | STANDARD WORK | PLUS AND MINUS |
| PROPOSED WORK | PLUS AND MINUS | STANDARD WORK | PLUS AND MINUS |

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NOTICE OF INTENTION TO: STOP/START REPORT OF:

Production Casing

5.0" 13#, J-55 csg. (Assumed 5.625" Hole) @ 4200'
800 sx Class 'H' - TOC @ 4316' Circ. DV Tool

4200'

TD @ 4232'

Perfs 4048'-4118'

Existing Plug - 10' on Cmt. Ret.

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SOS Consulting, LLC

Drawn by: Ben Stone, 1/05/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.57

API 30-025-07583

205' FSL & 205' FWL, SEC. 3-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/09/1929

P&A Date: 2/21/1984

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 50 sxs
200' - 0'

P&A Marker

G.L. 3602'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

20.0", 90# csg. @ 185'
600 sx Class 'C' - Circulate 75 sx.

Surface Casing

15.5", 70# csg. (Assumed 17.5" Hole) @ 696'
600 sx Class 'C' - Circulate 75 sx.

Intermediate Casing

13", 50# csg. (Assumed 17.5" Hole) @ 1549'
125 sxs El Toro - 1369' Calculated

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | | |
|--|--------------------------|-----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PLUGGING REQUIRED | ☐ | PLUG AND BACKLOG | ☐ |
| PLUGGING REQUIRED | ☐ | CONCRETE WORK | ☐ |
| PLUG OR ALTER CASING | ☐ | CONCRETE DRILLING OPER. | ☐ |
| | | DRILLING TEST AND CHECK JOB | ☐ |
| | | OTHER | ☐ |

12. Directional Drilling or Completion Operations (Clearly state the operation desired, and give necessary data, including estimated date of starting any proposed work.)

Moved in service unit 2-21-84. Pulled rods and pump and displaced with 10 lb. brine water. Nipped up blow out preventer and pulled tubing and mother Hubbard. Ran cement retainer and tubing, cement retainer set at 3997'. Pressure tested tubing 2500 psi, OK. Loaded casing with 76 BW and tested casing to 750 psi, OK. Cement squeezed with 100 sx Class C cement, 100 sx Class C cement containing 4 lb/sx cuff plug, and 100 sx Class C cement. Stung out of retainer. Pulled up 2-7/8" tubing and tubing landed at 3837'. Reversed out 32 sx cement and spotted 60 bbl gelled brine. Pulled tubing & stinger. Perfed 1 ft. interval at 2800' with 4 JSPP. Established circulation between 8-5/8", 10-3/4" casing. Ran Baker 8-5/8" cement retainer, set at 2718'. Tested tubing and loaded 8-5/8" casing. Pumped 128 sx Class C cement between 8-5/8" & 10-3/4" casing to approx. 2400 ft. Stung out of retainer 25 sx. Cement survey found top of cement at 2370'. Ran tubing to 2583' and dug out cellar. Pulled tubing and perfed 2300-2301 with 4 SPP. Pumped 5 BW down 8-5/8" casing and broke circulation out 10-3/4" casing. Pumped 98 bbl gelled brine through perfs at 2300' and displaced with 65' bbl water. Perfed 1955-56'. Ran cement retainer & 2-7/8" tubing, cement retainer set at 1375'. Cemented 13-3/8" x 10-3/4" with 359 sx cement and circulated 59 sx. Cemented 10-3/4" x 8-3/4" with 189 sx cement and circulated 32 sx. Squeezed 160 sx cement into formation, stung out of retainer, and pulled tubing. Tubing landed at 1250. Left 32 sx cement on retainer and reversed out 2 sx cement. Pulled tubing and stinger. Ran tubing, landed at 1250. Displaced casing with 70 bbl gelled brine. Pulled tubing, tubing landed at 194'. Spotted with 50 sx cement at surface. Pulled tubing, nipped down blow out preventer, cut off wellhead, and (OVER) erected P&A marker. Moved off service unit 3-3-84. Well plugged and abandoned.

By *[Signature]* Date *3/22/84*

Checked by *[Signature]* Date *3/22/84*

Intermediate Casing

10.75", 45# csg. (Assumed 13.75" Hole) @ 2799'
80 sx El Toro TOC @ 2590' Calculated

Production Casing

8.625", 36# csg. (Assumed Hole 9.875") @ 4025'
80 sx El Toro TOC @ 1217' Calculated

2397-2532'
Spotted 74 sxs gelled brine

Spot 30 sxs
1375-1250'

Cement Retainer @ 1375'
Sqz Perfs 1555'
10"-12" w/ 349 sxs cement
Circulated 59 sxs

8"-10" w/ 189 sxs cement
Circulated 32 sxs

Sqz Perfs 2300'
w/ 98 sxs gelled brine
2718'-2620'
Spot 25 sxs

Cement Retainer @ 2718'

Sqz Perfs 2800
w/ 128 sxs cement

3997-3747'
68 sxs
(100 sxs w/32 rvsd out)

Cement Retainer @ 3797'

Openhole 4025'-4220'

TD @ 4220'

SOS Consulting, LLC

Drawn by: Ben Stone, 1/13/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.37

API 30-025-07584

1980' FNL & 2310' FEL, SEC. 3-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/03/1935

Convert to Inj.: 2/25/1976

P&A Date: 6/21/1995

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Surface
10 sxs

Cmt. Ret. @ 200'
Sqz Perfs 300'-01' w/ 4 spf
Sqz w/ 150 sxs
Circulated between
7" & 12.5"

Spot Cement
1680'-1580'

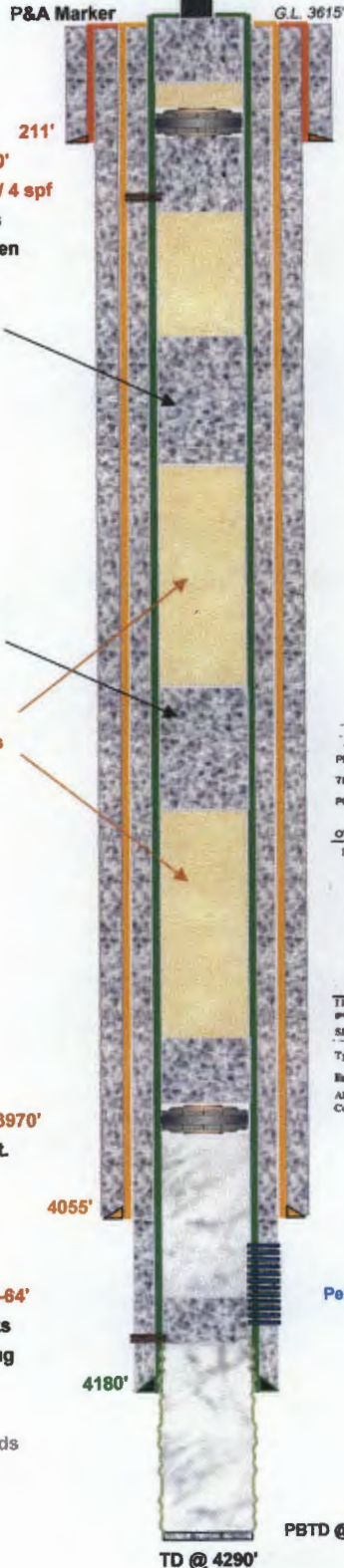
Spot Cement
2690'-2590'

9.5# Mud
between plugs

Set P&A CIBP @ 3970'
Cap w/ 50' cmt.

Sqz Perfs 4159' -64'
Sqz'd w/ 50 sxs
50 sxs Tuff Plug

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50#, H-40 csg. (17" Hole) @ 211'
175 sx El Toro (C) - Circulated

Intermediate Casing

7.0", 22# J-55 csg (9.625" Hole) @ 4174'
500 sx El Toro (C) - Circulated

<P&A SUBSEQUENT SUNDRY>

| | | | |
|---|--|---------------------------------|---|
| 12. Check Appropriate Box to Indicate Nature of Notice, Report, or Data | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | ☐ PLUS AND ABANDON | REMEDIAL WORK | ☐ |
| TEMPORARILY ABANDON | ☐ CHANGE PLANS | COMMENCE DRILLING OPS. | ☐ PLUS AND ABANDONMENT |
| PULL OR ALTER CASING | ☐ MULTIPLE COMPLETION | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: ☐ | | OTHER: ☐ | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or reconstructions.

Well operations began 08/12/1935 and were completed on 06/21/1995.
SECS. Sec CIBP @ 3970' and cap w/ 50' class C cmt. Loaded hole w/ 9.5# mud between. Spot 150' class C cmt plug 2/250'-300'. Spot 100' class C cmt plug 2/180'-180'. Perf 300' w/ 4 spf to penetrate the 5" and 7" casing. Run cement retainer @ 200' and circulated 150 inches cement between the 7" and 12-1/2". Cap w/ 10 inches class C cement 2/0-10'. Installed 2nd sealer and ran off wellhead.
Well P&A 06/21/1995.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or bottom hole with this knowledge is furnished to the appropriate regulatory agency.

SIGNATURE: *Keith Brumlow* TITLE: *Production Manager* DATE: *10/22/2007*

Type or print name: *Keith Brumlow* E-mail address: *Keith.Brumlow@amoco.com* Telephone No.: *(203) 346-4313*

APPROVED BY: *Hayden Link* OC FIELD REPRESENTATIVE (STAFF MANAGER) DATE: *OCT 22 2007*

Conditions of Approval, if any:

Production Casing

5.0" 13#, J-55 csg. (Assumed 5.625" Hole) @ 4180'
345 sxs - TOC @ 4316' Circ. DV Tool

Perfs 4067'-4130'

PBTD @ 4282'

TD @ 4290'

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.24**

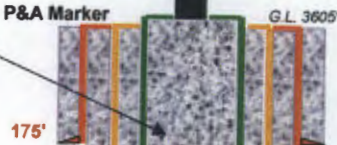
API 30-025-07585
 620' FNL & 1293' FEL, SEC. 3-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 7/13/1941
 Well TA'd: 7/05/1991
 P&A Date: 6/30/1982

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:
 Spotted 25 sxs
 249' - Surface



Spotted 25 sxs
 1826'-1453'

Spotted 25 sxs
 2831'-2458'
 Mud laden fluid
 between plugs
 (Circulated 33 sxs
 prior to spotting plugs)

Spotted 25 sxs
 4050'-3677'

CIBP @ 4075'
 (Placed for 1991 TA
 Cap w/ 3 sxs sand)

4141'

4176'

Formation Fluids

TD @ 4234'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 36#, H-40 csg.(12" Hole) @ 194'
 60 sx El Toro (C) - Circulated

Intermediate Casing

5.5", 14# J-55 csg (8.75" Hole) @ 4114'
 518 sx El Toro (C) - Calc. to Surface - Not Reported

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|-------------------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER | | ☐ | |
| | | REMEDIAL WORK | ☐ |
| | | ALTERED CASING | ☐ |
| | | COMMENCE DRILLING OPER. | ☐ |
| | | PLUG AND ABANDONMENT | ☒ |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE FIELD LOG.

12/04/97 MOVE IN P&A EQUIPMENT, BY UNIT & PUMP.
 12/05/97 RIG W/2-3/8" TAG, TAG CTRP, CIR BOLE W/33 SXS NLF.
 12/05/97 PUMP 25 SXS FROM 4050'-3677'.
 12/05/97 PUMP 25 SXS FROM 2831'-2458'.
 12/05/97 PUMP 25 SXS FROM 1826'-1453'.
 12/05/97 PUMP 25 SXS FROM 249'-SURFACE.
 12/06/97 CUT OFF WELL HEAD, INSTALL DRY HOLE MARKER.

No DHM.

| | |
|--|----------------|
| I hereby certify that the information shown above and attached is the best of my knowledge and belief. | |
| APPROVED BY: <i>Milton Heatzer</i> | P&A SUPERVISOR |
| DATE: 12/05/97 | |
| APPROVED BY: <i>John J. J.</i> | DATE: 12/05/97 |
| DATE: 12/05/97 | |

Production Casing

4.5" 12.6#, J-55 csg. (Assumed 6.25" Hole) @ 4176'
 96 sxs - Circulated to Surface

Perfs 4134'-44'
 and 4158'-68'

SOS Consulting, LLC

Drawn by: Ben Stone, 1/27/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.38

API 30-025-07586

2205' FNL & 1293' FEL, SEC. 3-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/25/1941

Well TA'd: 8/27/1991

P&A Date: 2/02/2000

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 10 sxs
30' - Surface

Sqz Perfs @ 246'
(4 holes - Sqz'd w/ 50 sxs
thru PKR @ 30' - tag @ 132')

Spot 25 sxs
1826-1453'

Spot 25 sxs
2831-2458'

Sqz Perfs @ 2900'
(4 holes - held 1500 psi)

Mud laden fluid
between plugs

Spot 25 sxs
4045-3670'

CIBP @ 4059'
(Placed for 1991 TA
Cap w/ 2 sxs sand)

Formation Fluids

P&A Marker

G.L. 3602'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 36#, H-40 csg. (12" Hole) @ 186'
175 sx El Toro (C) - Circulated

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work SEE RULE 1103.)

01/28/00 - Notify OCD of intent to plug.
01/28/00 - Spot 25 sx cement on CIBP @ 4059', perf 4 holes @ 2800'
02/01/00 - Set packer @ 2800', pressured up set perf to 1500#, held, slugged by Gary Wink, OCD, to
spot 25 sx cement @ 2800-2850', spot 25 sx cement @ 2850', spot 25 sx cement @ 1810'
perf 4 holes @ 246', set packer @ 30', spot 50 sx cement, displace to 140'
02/02/00 - Tag plug @ 132', spot 10 sx cement from 30' to surface
02/02/00 - cut off well head, install dry hole cap

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: [Signature] TITLE: Key Energy P&A Supervisor DATE: 02-02-00

TYPE OR PRINT NAME: Larry Wink TELEPHONE NO: (916) 523-0155

APPROVED BY: [Signature] COMPLAINT OFFICER: [Signature] DATE: 02-02-00

G-SA Perfs (Unable to determine depth in well file)

Production Casing

5.5" 14.0#, J-55 csg. (8.75" Hole) @ 4132'
500 sxs - TOC @ 3148' by CBL

Remedial Work
Cmt. Ret. @ 4104'
Sqz'd w/ 100 sxs
and then drilled out to 4200'

PBTD @ 4200'
Perfs in OH 4230'-33'

TD @ 4233'

SOS Consulting, LLC

Drawn by: Ben Stone, 1/28/2012

Drawn by: Ben Stone, 1/29/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.49

API 30-025-07592

1980' FSL & 1293' FEL, SEC. 3-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 6/20/1945
Convert to Inj.: 2/10/1976
P&A Date: 7/08/1999

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 10 sxs
31' - Surface

Spot 25 sxs
403'-251'

Spot 25 sxs
2000'-1847'

Sqz Perfs @1850'
(4 holes - Sqz'd w/ 70 sxs
thru PKR @ 1606' - tag @ 1670')

Spot 25 sxs
2810'-2657'

**10# Mud ladened fluid
between plugs**

Spot 35 sxs
4150'-3662'
(On CIBP)

P&A Marker

G.L. 3615'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

10.75", 40# csg. (13.75" Hole) @ 355'
300 sx El Toro (C) - Circulated

Remedial Sqz Perfs @ 500'
(4 holes - Sqz'd w/325 sxs
circulated to surface)

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|-------------------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | REMEDIAL WORK | ☐ |
| TEMPORARILY ABANDON | ☐ | COMMENCE DRILLING OPER. | ☐ |
| FULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |
| PLUG AND ABANDON | ☐ | ALTERING CASING | ☐ |
| CEMENT PLUG | ☐ | PLUG AND IMPROVEMENT | ☒ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. SEE RULE 1100.)
7-1-99 Discuss C-103 Post Cse-OCB Move In & Rig up Pulling Unit.
7-2-99 Set 4-1/2" CIBP on wireline @ 4150' Circulate hole 100 gal MLF. Spot 35 in Class C @ 4150'-3662'. Spot 25 in Class @ 2810'-2657'.
Spot 25 in Class C 2000'-1847'.
7-5-99 Perforate ASPF @ 1850' - Set Pits @ 1850' Squeeze 70 in Class C w/ 2% Cut WOC & Tag @ 1670'.
Spot 25 in Class C @ 403'-251'. Spot 10 in Class C @ 31'-3'.
7-8-99 Cut off wellhead & anchors @ BGL. Cap well with steel plate with legal description welded on plate.

I hereby certify that the information above is true and accurate to the best of my knowledge and belief.
SIGNATURE Terry McBeth TITLE Plugging Supervisor DATE 7-18-99
TYPE OR PRINT NAME Terry McBeth TELEPHONE NO. 915-523-3195
(This space for Sign-Off)
APPROVED BY [Signature] TITLE Field Rep DATE 7-18-99
CONDITIONS OF APPROVAL, IF ANY

Production Casing

7.0" 20.0#, J-55 csg. (8.75" Hole) @ 4141'
800 sxs - Calc. to Surface - No Circulation

1st Recom - Perfs 4096'-4131'
(Sqz'd at liner setting)

Production Liner

4.5" 10.5#, J-55 csg. (6.125" Hole) @ 4291'
70 sxs 'C' Neat - TOC @ 3678' (TOL) - Tagged & D/O

Perfs in OH 4209'-12'

2nd Recom - Set Lnr. Perf 4.5" 4250'-90'
PBTD @ 4275'
(from Remedial Sqz & D/O)

DTD @ 4310'

Set P&A CIBP @ 4150'

Formation Fluids

SOS Consulting, LLC

Drawn by: Ben Stone, 1/29/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.60

API 30-025-07595

760' FSL & 990' FEL, SEC. 3-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/06/1955

Well TA'd: 2/19/1990

P&A Date: 7/24/1997

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @ 358'
(4 holes - Sqz'd w/ 200 sxs
thru TBG @ 258' - Circulated)

Spot 25 sxs
1684'-1443'

Mud laden fluid
between plugs

Spot 25 sxs
4045'-3719'

CIBP @ 4030' for 1990 TA Status

Sqz'd Perfs 4133'-49'
and 4162'-87'

Sqz'd Perfs 4205'-27'

Sqz'd Perfs 4228'-68'

4267'

PBTD @ 4270'

TD @ 4280'

R.D.B. 3615'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 36#, H-40 csg. (11" Hole) @294'
240 sx EI Toro (C) - Circulated

<P&A SUBSEQUENT SUNDRY>

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER | ☐ | OTHER | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. SEE FIELD LOG.)

7/23/97 TAG CIBP @ 4030'.
7/24/97 CIRC HOLE M/V.B.
7/24/97 CAP CIBP W/25 SXS CMT (PLUS #1 4030'-3719').
7/24/97 SPOT 25 SXS CMT @ 1684' (PLUS #2 1684'-1443').
7/24/97 SHOT 4 HOLES @ 358'.
7/24/97 SET NET @ 258'; CIRC 250 SXS CMT TO SURF.
7/24/97 CUT OFF WELL HEAD.
7/24/97 INSTALL DRY HOLE MARKER.

COPY

I hereby certify that the information shown on this and companion to the best of my knowledge and belief.

Signature: Marc L. Weatherlin TITLE: P&A SUPERVISOR DATE: 8/4/97

TYPE OF PRINT NAME: MARC L. WEATHERLIN TELEPHONE NO.: 505-382-6988

(This space for Draw Unit)

APPROVED BY: CIPW TITLE: DATE:

Production Casing

5.5" 14.0#, J-55 csg. (7.875" Hole) @ 4267'
670 sxs - TOC @ 1850' by Calc.

Cmt. Ret. @ 3988'

Sqz'd w/ 300 sxs (R/O 80 sxs)
drilled thru and re-perf

Perfs 4137' - 4224'

Remedial Work

1st Original Perfs 4133'-87' (Sqz'd at recompletion)

2nd Completion Perfs 4205'-27' (Sqz'd at recompletion)

SOS Consulting, LLC

Drawn by: Ben Stone, 1/30/2012

PLUGGED WELL SCHEMATIC

State A2 RA/A Well No.11-Y

API 30-025-07604

810' FNL & 2030' FWL, SEC. 4-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 12/22/1951

TA'd Date: 1969 and 1974

P&A Date: 6/03/1985

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

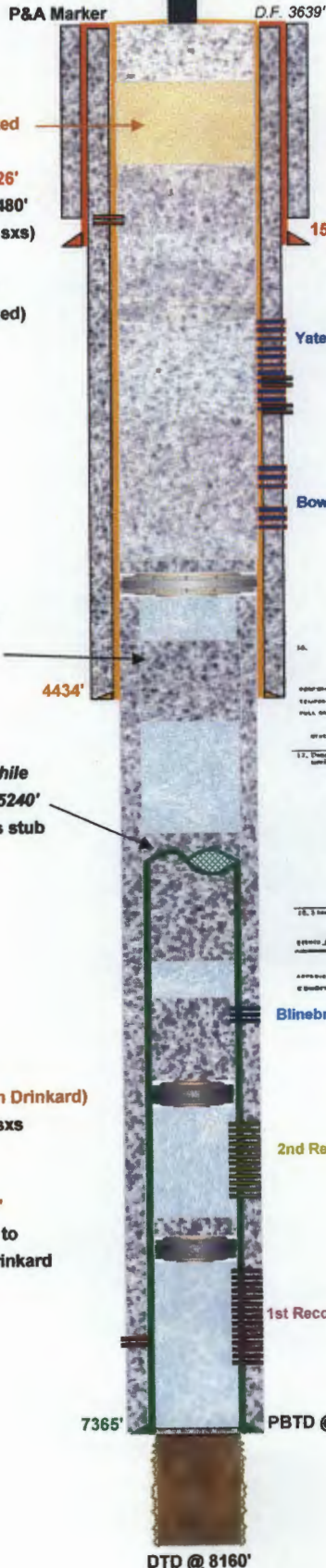
Surface
10 sxs
30'-Surface
10# Mud Circulated
Sqz Perfs 1525'-26'
thru Cmt Ret @ 1480'
w/ 145 sxs (Circ. 4 sxs)
Spot 150 sxs
2617'-2115' (Tagged)

Spot 130 sxs
4490'-4350'

5.5" csg parted while
attempt to pull @ 5240'
Spot 50 sxs across stub

CIBP @ 6050' (Abandon Drinkard)
Covered w/ 20 sxs

CIBP @ 6810'
Cap w/ 10' cmt to
abandon Lower Drinkard



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

13.375", 48/54.5#, H-40 csg. (17.5" Hole) @ 1544'
150 sxs Class 'C' - Circulate 825 sx.

CIBP @ 3400' w/ 35' cmt
Sqz Perfs 2719'-20'
Sqz w/ 400 sxs
10# Gel Brine
Sqz Perfs 3172'-3224' w/ 134 sxs
thru Cmt Ret @ 3120'
(R/O 76 sxs)
CIBP @ 3400' w/ 10' cmt

Intermediate Casing

9.625", 32.3/40# J-55 csg. (12" Hole) @ 4434'
815 sxs Class '' - TOC 1500' Calculated

Bowers Perfs 3172'-82' and 3200'-24'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ EXTENSIVE REPAIRS
TEMPORARILY ABANDON ☐ REPAIRS TO BE MADE ☐ REPAIRS TO BE MADE ☐ REPAIRS TO BE MADE
PULL OR ALTER CEMENT ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER ☐ OTHER

17. The undersigned hereby certifies that the information herein is true and correct to the best of his knowledge and belief.

Moved in service unit 4-19-83. Pulled tubing and packer. Ran a cast iron bridge plug to 2190' from surface and could not go down. Pulled bridge plug and stuck 1805' from surface. Drilled out cast iron bridge plug. Spotted 150 sacks class C cement with additives at 2617' from surface. Topped cement to 2115' from surface and circulated hole with mud. Perforated 1525'-26' with 4 SPK and established circulation. Set a cement retainer at 1480'. Cemented with 145 sacks class C neat cement and circ. 4 sacks. Spotted 10 sacks class C to surface. Erected dry hole marker. Moved out service unit 4-22-83.

6-5-1985, H T-HOU T-F. J. Nash, HOU T-CLF

18. I hereby certify that the information herein is true and correct to the best of my knowledge and belief.

Signed: Cathy L. Lerman Title: Asst. Adm. Analyst Date: 5-3-83
Approved by: [Signature] Title: DRILLING SUPERVISOR Date: JUN 23 1983
Circulation of Approval, if any:

Blinbry Perfs 5923'-5953'

2nd Recom - Drinkard Perfs 6730'-6776'

Production Casing

5.5" 14.0/15.5#, J-55 csg. (6.75" Hole) @ 7365'
200 sxs Cls 'H' - TOC @ 4300' Calculated

1st Recom - Drinkard Perfs 6880'-6988'

PBTB @ 7635'

DTD @ 8160'

SOS Consulting, LLC

Drawn by: Ben Stone, 1/30/2012

PLUGGED WELL SCHEMATIC

State 'A' Tract 1 Well No.7

API 30-025-07606

330' FNL & 660' FWL, SEC. 4-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 12/21/1948
P&A Date: 5/29/1953

Well plugged by:
Stanolind Oil & Gas Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 20 sxs plug
at surface

9.625" cemented to surface

5.5" shot and pulled
at 323'



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 32.3# csg. (12.25" Hole) @ 432'
250 sxs El Toro ('C') - Circulated

<P&A SUBSEQUENT SUNDRY>

Indicate Nature of Report by Checking Below

| | | |
|--|--|-----------------------------|
| REPORT ON BEGINNING
DRILLING OPERATIONS | REPORT ON RESULT OF TEST
OF CASING SHUT-OFF | REPORT ON
REPAIRING WELL |
| REPORT ON RESULT
OF PLUGGING WELL | REPORT ON RECOMPLETION
OPERATION | REPORT ON
(Other) |

June 16, 1953

Hobbs, New Mexico

Following is a report on the work done and the results obtained under the heading noted above at the

Stanolind Oil and Gas Company

State A Tract 1

Lea County Casing Failure

Well No. 7

In the NE 1/4

Sec. 4

T. 19-S. R. 38-E. N36P34

Section

Pool

Lea

County

The Dates of this work were as follows: May 26, 1953 to May 29, 1953 Inclusive.

Name of formation to be drilled (was) (was) submitted on Form C-302 on April 7, 1953 and approval of the proposed plan (was) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spotted 25 sack cement plug in 5 1/2" casing from 3092 to 2892'. Shot and recovered 325' of 5 1/2" casing. 9-5/8" casing in well was cemented to surface, and was left intact. Spotted 20 sack cement plug at surface inside the pipe with interval between surface plug and plug in 5 1/2" casing filled with heavy drilling mud. Location leveled and returned to original contour, and a 1" pipe marker extending 1' above ground level erected.

Witnessed by: E. H. Murray

Stanolind Oil and Gas Company

Head Representative

Approved: OIL CONSERVATION COMMISSION

Ray J. J. J. J.

Oil & Gas Inspector

JUL 9 1953

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name: Ralph J. J. J.

Position: Field Representative

Representing: Stanolind Oil and Gas Company

Address: Box 68, Hobbs, New Mexico

Production Casing

5.5" 14.0#, J-55 csg. (7.375" Hole) @ 3092'
Set w/ 700 sxs 3% Gel & 100 sxs Neat Cement
Calculated to Surface - Not reported.

Formation Fluid

TD @ 3213'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/05/2012

PLUGGED WELL SCHEMATIC **Byers 'B' Well No. 34**

API 30-025-24079

713' FNL & 1840' FEL, SEC. 4-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/31/1972

Well TA'd: 1994

P&A Date: 7/20/2009

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3631'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Shot Sqz Perfs @ 441'
(Circ. 225 sxs to surf.)

Spot 25 sxs @ 1789'
(Tag @ 1522')

Shot Sqz Perfs @ 1725'
(Could not pump into)

Spot 30 sxs
2762'-2473'

Shot Sqz Perfs @ 2700'
(Could not pump into)

Spot 25 sxs
3201'-2955'

Spot 30 sxs
4080'-3860'

Shot Sqz Perfs @ 4025'
(Could not pump into)

5750'-5509'
25 sxs

Tagged CIBP @ 6554'
and spotted 30 sxs
6529'-6240'

CIBP @ 6599'
(Placed for 1994 TA status
Cap w/ 15' sand & 20' cement)

Surface Casing

11.55", 42#, H-40 Csg. (15" Hole) @ 391'
275 sx Class 'C' - Circulated

Intermediate Casing

8.625", 24# H-40 Csg. (11" Hole) @ 3882'
500 sxs Class 'C' - TOC @ 1977' Calculated

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| | | | |
|--|---|--|---|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASINO ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPER. ☐ | P AND A ☒ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPL. ☐ | CASING/CEMENT JOB ☐ | |
| DOWNHOLE COMBUSTIBLE ☐ | | | |
| OTHER: ☐ | | OTHER: ☐ | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 103 For Multiple Completions. Attach wellbore diagram of proposed completion or recompletion.

See Attached

Approved for plugging of well bore only.
Lubricate under head to maintain grouting capacity
of C-103 (Subsequent Report of Well Plugging)
which may be found at OED Web Page under
Perms, www.oedweb.com/permits

Spud Date: Tag Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Hark Stephens TITLE: Perm. Comp. Analyst DATE: 8/6/09

Type or print name: Hark Stephens E-mail address: Hark_Stephens@ocp.com PHONE: (214) 366-5159

See State Your Choice: Tag & Ho DISTRICT 1 SUPERVISOR: AUG 11 2009

APPROVED BY: [Signature] DATE: 8/6/09

Conditions of Approval (if any):

Plug and abandon Byers B No. 34 as follows -

7/15/09 - 7/20/09:

NI. x RU. NO BOP. RIM with 105 jts. 2-3/8" workstring. Tag CIBP at 6554'. Spot a 30 sx. plug at 6529'. calculate TOC at 6240'. Spot a 25 sx. plug at 5750'. calculate TOC at 5509'. POOH with tubing. Set 5-1/2" AD-1 packer at 3358'. RU wireline x perforate at 4825'. Could not establish injection rate of 2000 psi with no loss. POOH with packer. RIM open ended to 4080'. Spot a 30 sx. plug at 4080'. Pull uphole x MOC. RIM x tag at 3810'. Pull up x spot a 25 sx. plug at 3201'. calculate TOC at 2955'. RIM with 5-1/2" AD-1 packer x set at 2448'. RIM with wireline x perforate at 2700'. Pressure test perfs to 2000 psi with no loss. Spot a 30 sx. plug at 2762' (OK'd by the OED's Moxey Brown). POOH with tubing x MOC. RIM x set packer at 1349'. RU wireline x tag at 2395'. Perforate at 1725'. Could not establish injection rate of 2000 psi with no loss. Pull packer x run in hole open ended to 1789'. Spot a 25 sx. plug x MOC. RU wireline x tag at 1522'. Perforate at 441'. Establish injection rate of 1.5 bbls/minute with full returns. NO BOP x circulate 225 sx. cement to surface up all three strings. NO x NO x clean location.

Perfs 6708'- 6836'

Perfs 6861'- 6928'

Formation Fluid

Production Casing

5.5" 14.0#, J-55 Csg. (7.875" Hole) @ 7319'
575 sxs Class 'C' - TOC @ 4663' Calculated

7319'

PBTD @ 7277'

TD @ 7318'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/07/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.196**

API 30-025-28986

245' FSL & 96' FWL, SEC. 4-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 11/06/1984

P&A Date: 3/13/2002

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

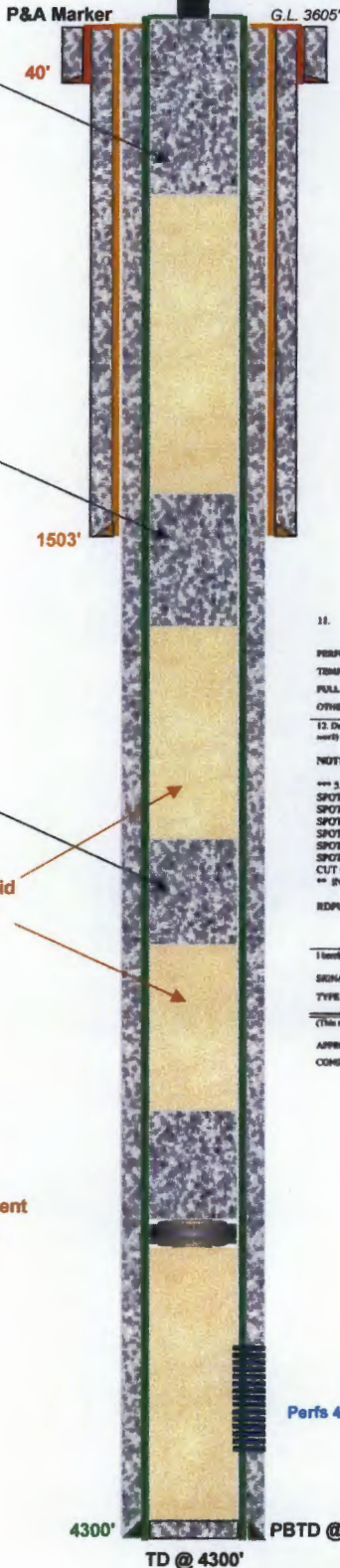
PLUGS: 350'-0'
 Spot 35 sxs

1700'-1450'
 Spot 25 sxs

2625'-2425'
 Spot 25 sxs

Mud Ladened Fluid
 Between Plugs

CIBP @ 4050'
 Cap w/ 50 sxs cement
 (Top @ ~3800')



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing
 14.0" csg. (Assumed 17.5" Hole) @ 40'
 5 yds. Redi-Mix - Cement to Surface

Intermediate Casing
 8.625", 24# H-40 csg. (12.25" Hole) @ 1503'
 725 sxs Class 'C' - Circulated 150 sxs to Surface

<P&A SUBSEQUENT SUNDRY>

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG & ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHARGE PLANS | ☐ |
| FULL OR ALTES CASING | ☐ | COMMENCE DRILLING OPER. | ☐ |
| OTHER | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | ALTERED CASING | ☐ |
| | | PLUG & ABANDONMENT | ☒ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1.103.

NOTIFY THE NMDCB (24 hrs) BEFORE BIG UP. (395-6161)

*** 5.5" CIBP SET @4050'. CAPPED W/50' CMT. TOC @3800'. 10/10/1993
 SPOT MLF FROM 3800' TO 2625'.
 SPOT 25 SXS CMT FROM 2425' TO 2625'. TAG PLUG. BOTTOM OF SALT @2525'.
 SPOT MLF FROM 2425' TO 1700'.
 SPOT 25 SXS CMT FROM 1450' TO 1700'. TAG PLUG. TOP OF SALT @1650'. BOTTOM OF 8-5/8" @1503'.
 SPOT MLF FROM 1450' TO 350'.
 SPOT 35 SXS CMT FROM 350' TO SURF.
 CUT OFF CSG BELOW GROUND LEVEL.
 ** INSTALLED DRY HOLE MARKER 4' ABOVE SURF.

RDPU: CLEAN LOCATION

Rig Up Date: 03/13/2002
 Rig Down Date: 03/20/2002

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

SIGNATURE: *Robert Gilbert* TITLE: **LIFT SPECIALIST** DATE: 03/13/2002
 TYPE OR PRINT NAME: **ROBERT GILBERT** TELEPHONE NO.: 505/997-0206

(This space for State Use)
 APPROVED BY: *Johnnie Robinson* TITLE: **MANAGER** DATE: 3/16/2002
 CONDITIONS OF APPROVAL IF ANY:

GWW

Production Casing
 5.5" 15.5#, K-55 csg. (7.875" Hole) @ 4300'
 875 sxs Class 'C' Neat
 Circulated 75 sxs to Surface

SOS Consulting, LLC

Drawn by: Ben Stone, 2/07/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.245**

API 30-025-35554

1303' FSL & 708' FEL, SEC. 4-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 5/24/2001

TA Date: 5/07/2004

P&A Date: 4/18/2008

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 9'-0' 40'
 Topped off w/ 5 sxs
 Shot perms @ 100'
 (Sqz'd w/ 75 sxs
 and Tagged @ 9')

1700'-1450'
 Spot 25 sxs

Spot 30 sxs
 1662'-1194' (Tagged)
 Shot perms @ 1605'
 (Could not pump into)

Spot 30 sxs
 2782'-2442' (Tagged)

Shot perms @ 2660'
 (Could not pump into)

Spot 30 sxs
 3572'-3239' (Tagged)

Drill out existing plugs
 & set Cmt Ret @3840'
 Sqz perms w/ 200 sxs
 Cap CIRC w/ 25 sxs cement
 3840'-3594'
 CIBP @3900'
 Cap w/ 50 sxs cement
 (Set for 2004 TA status)
 CIBP @ 4075'
 (Zone Abandon SA)

P&A Marker G.L. 3610'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0" csg. (18" Hole) @ 40'
 50 sxs - Circulated to Surface

Intermediate Casing

8.625", 24# J-55 csg. (12.25" Hole) @ 1555'
 650 sxs PBCZ & 200 sxs Premium Plus
 Circulated 110 sxs to Surface

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--|----------------------------|---|
| PERFORM REMEDIAL WORK | ☐ PLUG AND ABANDON | REMEDIAL WORK | ☐ ALTERING CASING |
| TEMPORARILY ABANDON | ☐ CHANGE PLANS | COMMENCE DRILLING OPS | ☐ PLUG AND ABANDONMENT |
| PULL OR ALTER CASING | ☐ MULTIPLE COMPLETION | CASING TEST AND CEMENT JOB | ☐ OTHER |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1183. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Approved for placement well bore only
 Location under head to establish position relative
 to C-100 (Reference Report of Well Plugging
 which was filed in 1/11/01 from which
 this was derived from 10/01/01)

See Attachment

RECEIVED
 APR 29 2009
HOBBS OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any plot or below-grade task has been well constructed or closed according to NMOCD guidelines. ☐ a general permit ☐ or as (attached) alternative OCB-approved plan ☐

SIGNATURE: Mark Stephens TITLE: Regulatory Compliance Analyst DATE: 4/23/08
 Type or print name: Mark Stephens E-mail address: Mark_Stephens@oxy.com Telephone No. (713) 366-5158

APPROVED BY: [Signature] TITLE: PETROLEUM ENGINEER DATE: JUN 19 2008
 Conditions of Approval, if any: 1.

04/16/08 Wednesday
 MRU Triple N cements. Stung out of retainer @ 3,840' and circulated hole w/ 75 bbl mud. Stung into retainer and established rate of 1 BPM @ 1,000 psi. Squeezed 200 sx C cmt under retainer. Stung out with 1,300 psi and displaced w/ 25 sx C cmt on top of retainer 3,840 - 3,594'. POOH w/ tubing. RIH w/ packer to 3,400'. Loaded hole, set packer, unable to pump below packer @ 1,000 psi. RIH w/ tubing to 3,572 and pumped 30 sx C cmt @ 3,572'. POOH w/ tubing & packer. SI well, SDFN.

04/17/08 Thursday
 MRU Triple N cements. RIH w/ wireline and tagged cmt @ 3,230'. PUH and perforated casing @ 2,600'. POOH w/ wireline. RIH w/ packer to 2,125'. RU cementer, loaded hole, and set packer. Unable to establish rate 1,500 psi. Notified NMOCD, Buddy Hill, ok'd balanced plug. POOH w/ packer and RIH w/ tubing open-ended to 2,728'. Pumped 30 sx C cmt w/ 2% CaCl₂ 2,782 - 2,432'. POOH w/ tubing and WOC. RIH w/ wireline and tagged cmt @ 2,442'. PUH and perforated casing @ 1,605'. POOH w/ wireline. Loaded hole, SI BOP, and pressured up on casing to 1,500 psi, held 5 minutes. Called NMOCD, Buddy Hill, on procedure. RIH w/ tubing open-ended to 1,682' and pumped 30 sx C cmt 1,682 - 1,366'. POOH w/ tubing, SDFN.

04/18/08 Friday
 RIH w/ wireline and tagged cmt @ 1,194'. PUH and perforated casing @ 100'. POOH w/ wireline. Loaded hole, SI BOP, and established rate into perforations 1 1/4 BPM @ 800 psi, unable to circulate to surface. Called NMOCD on procedure. ND BOP, NU wellhead, and squeezed 75 sx C cmt w/ 2% CaCl₂ displacing w/ 1/4 bbl, ISIP 100 psi. WOC and tagged cmt @ 9'. Topped off wellbore w/ 5 sx C cmt. RDMO cements.

GRBG Perfs 3940' - 54'

SA Perfs 4094' - 4238'

Production Casing

5.5" 15.5#, J-55 csg. (7.875" Hole) @ 4302'
 850 sxs Class 'C' & Premium Plus
 Circulated 130 sxs to Surface

4302' PBDT @ 4256'
 TD @ 4305'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/07/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.53

API 30-025-07612

660' FSL & 660' FWL, SEC. 4-T19S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Occidental Permian, LTD

Spud Date: 4/04/1934
Convert to Inj.: 1/10/76
P&A Date: 7/05/2012

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 400' - 0'
Spot 75 sx

P&A Marker D.F. 3604'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing
12.75", 50# csg. (17.0" Hole) @ 196'
200 sx - Circulated

Intermediate Casing
9.0", 34# csg. (13.5" Hole) @ 2778'
600 sx 'C' - Circulated
Sqz'd w/ additional 80 sx - 1/1976

1655'-1354'
Spot 50 sx

2883'-2689' (Tagged)
Spot 40 sx

Shot Perfs 2830'
(Could not pump into)

Loaded Hole w/
10# Mud Ladened Fluid

3719'-3538' (Tagged)
Spot 30 sx

CIBP @ 3900'
Cap w/ 35 sx

Formation Fluids

Remedial 8/31/88: Plug back to 4177'
to 4177' - Dump ball 1.5 sx - R'tn to Inj.

TOL 3702'

3965'

4220'

TD @ 4231'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

APPROVAL FOR PLUGGING OF WELL TO BE ABANDONED OR FOR PLUGGING OF WELL TO BE TEMPORARILY PLUGGED (SPECIFICALLY FOR SUBSEQUENT REPORT OF WELL UNDER FORMS WHICH MAY BE FOUND AT OCC WEB PAGE)

ALL OR ALTER CASH- Rtn Labeled

WELLHOLE COMINGLE

OTHER:

13. Describe proposed or completed operations (i.e. of welling any proposed work). SEE RULE 1103. Multiple Completions: Attach wellbore diagrams of proposed completion or recompletion.

1-3-12 MRLU 7-4-12 STACK OUT @ 3719'. CALLED OCC MAXI BROWN HE OK'D TAG. 34 & P 180 MFL @ 3719'. SURFACE. SPOT 30SX @ 3719'-3538' CTOC. PERK 7' @ 2830'. COULD NOT ESTABLISH A RATE. 15430 BROWN OK'D SPOT. SPOT 40SX @ 2883'-2689' CTOC. TAG @ 2689'. 2-5-12. OCC MAXI BROWN OK'D NO TAG @ 1655' PLG & NO PERL @ 400' PLG. SPOT 50SX @ 1655'-1354' CTOC. SPOT 75SX @ 400' SURFACE. REMD.

Spud Date: Rig Release Date: 7/5/12

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Stephens TITLE: Regulatory Compliance Analyst DATE: 9/24/12

Type or print name: Mark Stephens E-mail address: Mark.Stephens@oxy.com PHONE: (713) 366-5158

For State Use Only

APPROVED BY: [Signature] TITLE: DATE: 9-26-2012

Conditions of Approval (if any):

Production / Inter. Casing
7.0", 24# csg. (12.25" Hole) @ 3965'
200sxs - TOC @ 3632' by Calc.

1st Recompletion 2/18/72: D/O to 4231' and install 4.5" liner.
Perf 4164' to 4206' & acidize w/ 3000 gals. 15% HCl - R'tn to Prod.

2nd Recompletion 1/10/76: Convert to Injection; Perf 3984'-86', 90'-95',
4002'-16', 20'-22', 29'-31', 50'-60', 70'-78', 83'-88', 4100'-10', 15'-17',
19'-21', 43'-48', 50'-53' (2 Jsp) Acidize w/ 2400 gals. 15% HCl

Perfs 3984'-4153'

Original TD 4175'
(OH Completion)

PBTD @ 4177'

Perfs 4164'-4206'

Orig PBTD @ 4220'

Production Liner

4.5", 9.5# csg. (6.75" Hole) @ 4220' w/ 50 sx Class 'A'
TOC @ 3773' (Top of Lnr.)



Drawn by: Ben Stone, 2/04/2013

SECTIONS
5 & 6

PLUGGED WELL SCHEMATIC

H.D. McKinley Well No.5

API 30-025-07615

610' FNL & 1980' FEL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 9/02/1948

P&A Date: 1/21/1974

Well plugged by:
Sun Oil Company

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 15 sxs
50'-0'
Spot 50 sxs
340'-150'
(9.625" Csg shoe)
292'

Spot 30 sxs
1063'-951'

7.0" Shot & Pulled @ 1031'

Plugging Mud
between cmt. plugs

P&A Marker

G.L. 3624'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 32.3# csg. (12.25" Hole) @ 292'
150 sxs ('C') - Calculated to Surface
Not reported

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate: Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|-----------------------|------------------|----------------|-----------------|
| PROPOSED MODIFICATION | PLUG AND ABANDON | REPAIR/REPLACE | ALTERING CASING |
| REPAIR/REPLACE | REPAIR/REPLACE | REPAIR/REPLACE | REPAIR/REPLACE |
| REPAIR/REPLACE | REPAIR/REPLACE | REPAIR/REPLACE | REPAIR/REPLACE |
| REPAIR/REPLACE | REPAIR/REPLACE | REPAIR/REPLACE | REPAIR/REPLACE |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give primary data, including estimated date of starting any proposed work) SEE RULE 8 (10).

- 1-23-74 Move in and rig up
- 1-23-74 Circulate hole with mud laden fluid, pump 45 sack plug from 3775' Pull tubing.
- 1-23-74 Break down wall head, weld on pull nipple, shot casing @ 1031' Pull & lay down 7" casing. Rig up to run 2-3/8 tubing.
- 1-24-74 Run tubing to 1063' and pump a 30 sack plug, pull tubing to 340' and pump a 30 sack plug across 9-5/8 casing shoe. Pull tubing to 30' and pump a 15 sack top plug, rig down and move off.

Weld on cap & install permanent marker.

14. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED: Richard L. Cline TITLE: P & A Division Manager DATE: 1-28-74

APPROVED BY: _____ TITLE: _____ DATE: _____
CONDITIONS OF APPROVAL, IF ANY:

Production (Int.) Casing

7.0", 24# csg. (8.75" Hole) @ 3112' w/ 625 sxs
TOC Calculated to Surface

TOL 2971'

3112'

Spot 45 sxs
3775-3442'

Production Liner

5.5", 15.5# csg. (6.25" Hole) @ 3830'
TOC @ Top of Liner w/ excess

Perfs 3638'-3722'

3830'

TD @ 3830'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/08/2012

PLUGGED WELL SCHEMATIC

H.D. McKinley Well No.6

API 30-025-07616

585' FNL & 585' FEL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/09/1948

P&A Date: 1/30/1974

Well plugged by:
Sun Oil Company

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 5 sxs
20'-0'
Spot 45 sxs
340'-180'
(9.625" Csg shoe)

Spot 45 sxs
1049'-935'

5.5" Shot & Pulled @ 1016'

Plugging Mud
between cmt. plugs

Spot 45 sxs
3150-2900'

P&A Marker

G.L. 3620'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 32.3# csg. (12.25" Hole) @ 288'
150 sxs ('C') - Calculated to Surface
Not reported

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | | |
|--|--------------------------|-----------------------|--------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT ON: | |
| POST NEW DEVIATION, WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | REPAIRS/REWORKS | ☐ |
| PULL OR RATED CLOSURE | ☐ | REPAIRS/REWORKS | ☐ |
| OTHER | ☐ | REPAIRS/REWORKS | ☐ |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work) YES NO, 8-1974.

- 1-26-74 Move in and rig up
- 1-25-74 Run tubing to 3150', Circulate hole with mud laden fluid shot down.
- 1-20-74 Pump 45 sack plug from 3150 to 2900', Pull tubing and void on a 5 1/2" Plug Huddle, shot casing @ 2630', 1530', 1401', 1190'. Casing would not come free. Shut down for the day.
- 1-20-74 Weld a collar on 5 1/2" casing and try to circulate free. Casing would not come free. shot casing @ 1016', pull and lay down casing. Rig up and run tubing shot down for the day.
- 1-20-74 Pump a 45 sack plug @ 1040'. Pull tubing to 340' and pump a 45 sack plug. Pull tubing and pump a 5 sack top plug. Rig down and move off.
- Weld on cap & install permanent marker.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signature: *Richard D. Green* TITLE: P & A DEPARTMENT MANAGER DATE: January 31, 1974

APPROVED BY: _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY:

Production (Int.) Casing

5.5", 14.0# H-40 csg. (8.75" Hole) @ 3112' w/ 675 sxs
TOC Calculated to Surface

3112'

TD @ 3210'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/10/2012

PLUGGED WELL SCHEMATIC **H.D. McKinley Well No.2**

API 30-025-07617
 1980' FSL & 660' FEL, SEC. 5-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 8/28/1930
 P&A Date: 11/07/1991

Well plugged by:
Texaco E&P, Inc.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

D.F. 3611'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Shot Sqz perfs @ 200'
 Circulate dye
 & 100 sxs cement

Spotted 20 sxs
 1545'-1425'

Circulated hole
 w/ Gelled Brine
 Prior to spotting plugs

Spotted 30 sxs
 2893'-2740'

2795'

Set CIPB @ 3510'
 Cap w/ 35' cmt

3956'

TD @ 4175'

Surface Casing

12.5" csg. (Assumed 13.75" Hole) @ 210'
 175 sxs Class 'C' - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: | | | |
|--|--------------------------|-----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CONDUCE DRILLING OPER. | ☐ |
| OTHER: | ☐ | CONDUCT TEST AND CEMENT JOB | ☐ |
| | | ALTERING CASING | ☐ |
| | | PLUG AND ABANDONMENT | ☒ |
| | | OTHER: | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of entering any program under SER 5415.1103.)
1. Notified MINCO 10-22-91.
 2. WIRE W/P&A equipment. TOH w/production equipment. Starting date 10-23-91.
 3. TIR w/6 1/2" bit on workstring, tagged cmt @ 3197', drilled out cmt & CIPB from 3197'-3210', ran bit to 3850'.
 4. TOH w/WS, TIR w/7" cmt retainer on WS, sat @ 3108'.
 5. Established inj rate @ 1200g, squeezed 7" csg perfs from 3167'-3236' w/100 sxs Class C cmt w/2X CaCl2, TOH w/WS.
 6. TIR w/bit, tagged cmt @ 3107', drilled out cmt & 7" retainer @ 3108', drilled out cmt to 3241', ran bit to 3856', tested csg to 500g for 30 min, OK.
 7. Ran gamma ray correlation log from 1800' to 3500'.
 8. Perforated 7" csg w/2597 am follows: 3574-36, 3596-3604, 3610-3616, 3638-3644, 3652-3660, 3666-3670, 3675-3679-3686, 3698-3713, 3727-3733, 3751-3755 (78 toe 156 holes).
 9. TIR w/7" phr, sat @ 3506', acidized perfs (3574'-3755') w/4000 gals (CONTINUED ON BACK)

I hereby certify that the information given is true and complete to the best of my knowledge and belief.

Signature: *M.C. Duncan* Title: Engineer's Assistant Date: 11-08-91

Witness: *[Signature]* Title: Date:

- (CONTINUED FROM FRONT)
- 15X NEPE & 2000# Rock Salt, max press 3100#, avg press 2450#, final 2090#, AVIR & BFW, ISIP 2250#, 15 min 1790#.
10. Set CIPB @ 3510', spotted 35' cmt on top of CIPB.
 11. Perforated 2 squeeze holes @ 200', TIR w/WS to 3350', circulated hole w/brine gel.
 12. Pulled up to 2893', spotted 30 sxs Class C cmt from 2893' to 2740', TOC @ 2740'.
 13. Pulled up to 1545', spotted 20 sxs Class C cmt from 1545' to 1425', TOC @ 1425'.
 14. TOH w/WS, pump dye down 7" csg, established circulation out perfs @ 200' up through 9" annulus. Pumped 100 sxs Class C cmt down 7" csg, circulated cmt out perfs up through 9" annulus.
 15. Cut off wellhead, installed dry hole marker, cleaned location, Completion 11-7-91.

Intermediate Casing

9.0", 24# H-40 csg. (Assumed 9.625" Hole) @ 2795'
 600 sxs - Calculated to Surface

Perfs 3167'-97' (Original completion)

Production Casing

7.0" 24.0# csg. (Assumed 8.75" Hole) @ 3956'
 200 sxs TOC 2736' Calculated

PBTD @ 3198' (Original)

Recomp - D/O Cmt Ret @ 3108' - Ran bit to 3860'
 Set Cmt Ret @ 3108' - Sqz perfs 3167'-97' w/ 100 sxs
 Perfed 3574'-3755' - Acidized
 Return to Production

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC

State 'A5' Well No.2

API 30-025-07622

990' FSL & 1650' FEL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/29/1948

P&A Date: 8/24/1973

Well plugged by:
Continental Oil Company

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 5 sxs
20'-0"

P&A Marker

D.F. 3617'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

10.75", 32.3# csg. (13.75" Hole) @ 350'
300 sxs ('C') - Calculated to Surface
Not reported

Set Cmt Ret @ 995'
Pumped 250 gal 15% HCl
w/ 100 sxs & 3#/sx salt

7/30/1973
Located hole in casing @ 985'
Sqz'd w/ 80 sxs
Casing collapsing
~985' to 1024'
Could not get below 1039'
Plan for P&A

Workover fluids/
formation water
between cmt. plugs

<P&A SUBSEQUENT SUNDRY>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|------------------------|--------------------|----------------------------|----------------------|
| PERSONAL REQUEST, DATA | PLUG AND PERFORATE | STIMULATED WELLS | ALTERING CASING |
| REPAIR/REPLACE/REWORK | THREAT PLUGS | STIMULUS DRILLING OPER. | PLUG AND ABANDONMENT |
| RELA OR ALTER CASING | OTHER | OTHER TEST AND LOGGING WEL | OTHER |

17. I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

DATE 8-24-73 TITLE Admin. Supervisor NAME J. E. Dwyer

DATE 8-24-73 TITLE Supervisor NAME John W. Ryan

APPROVED BY: John W. Ryan TITLE: Supervisor DATE: 8-24-73

EXCEPTIONAL APPROVAL (IF ANY)

WFOCC-4 FILE

Set Cmt. Ret. at 995' and pump. 250 gals 15% HCl acid and 100 sxs. Then 6" cmt. w/ 5" salt for 5 d. Set 20' surface plug on top of 5" csg. Installed P&A marker and redneck button. No csg. was removed. Well shut in 7/31/73

Production (Int.) Casing

5.5", 14.0# H-40 csg. (8.75" Hole) @ 4282' w/ 650 sxs
TOC Calculated to Surface - Not reported

1st Recom - CIBP @ 4100' - Shoot GRBG Perfs 3956'-4020'

2nd Recom - Sqz GRBG Perfs w/ 137 sxs
thru PKR @ 3756' - D/O CIBP @ 4100'
Perf 4030'-4044' and 4124'-4160'
and 4124'-4160'

SA Perfs 4180'-4216' (Orig. Comp.)

Remedial - Spot 20 ex plug 4252'-4206'

Acidize - Return to Production

4282'

PBTD @ 4252'

TD @ 4283'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/12/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Unit Well No.12**

API 30-025-07625

330' FNL & 330' FWL, SEC. 5-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 8/16/1930
 TA'd Date: 9/17/1992
 P&A Date: 12/24/1997

Well plugged by:
Altura Energy, Inc.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spotted 45 sxs
 244'-0'

Circulated hole
 w/ Mud Ladened Fluid
 Prior to spotting plugs

Spotted 30 sxs
 1778'-1578'

Replaced 1701' Prod Csg
 w/ Pack-off Overshot seal

Spotted 30 sxs
 2608'-2397'

Spotted 30 sxs
 3566'-3341'

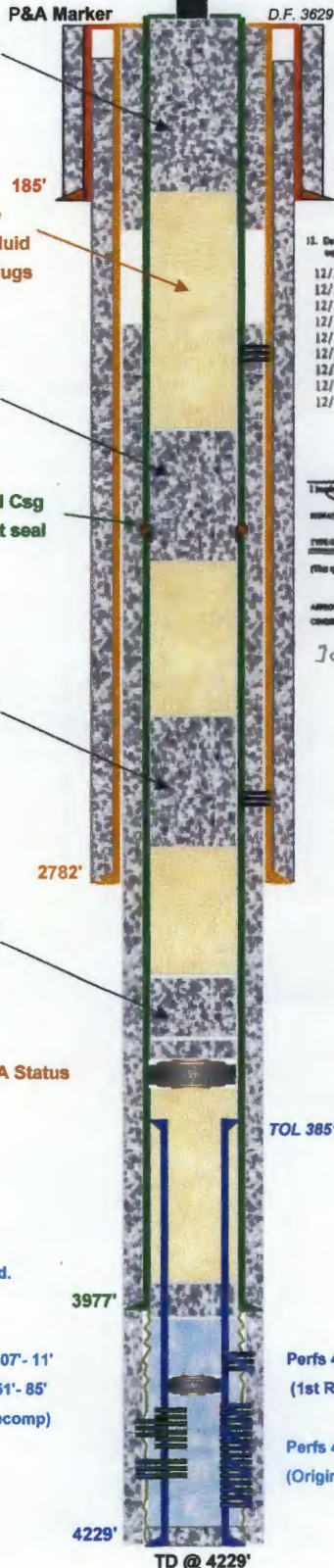
CIBP @ 3757'
 Cap w/ 3 sx for 1992 TA Status

> 2nd REPAIR / RECOMPLETE 9/18/1985 <

Set Cmt Ret @ 3984' - Sqz'd w/ 300' sxs
 reversed out 72 sxs. D/O to 4190' & press test.
 Perfed 4107'-11' & 4151'-85'. Acidize / Rtn to Prod.

Perfs 4107'- 11'
 and 4151'- 85'
 (2nd Recomp)

Perfs 4080'- 4110'
 and 4150'- 85'
 (3rd Recomp - 12/21/89)



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

16.0", 70# Csg. (Assumed 19.75" Hole) @ 185'
 75 sxs Oilwell Special - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE REG. 1109.

12/22/97 MOVE IN RD P&A EQUIPMENT.
 12/22/97 HOBOP RIB W/2-3/8" WS TAG CMT @ 3566'.
 12/22/97 CIRC HOLE W/120 HRLS HLF.
 12/22/97 SPOT 30 SXS CLASS "C" CMT FROM 3566-3341.
 12/22/97 SPOT 30 SXS CMT FROM 2608-2397.
 12/24/97 SPOT 30 SXS CMT FROM 1778-1578.
 12/24/97 SPOT 45 SXS CMT FROM 244-SURFACE.
 12/24/97 RD P&A EQUIPMENT.
 12/30/97 INSTALL DRY HOLE MARKER.

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

Signature: *Milton Matheson* TITLE: P&A SUPERVISOR DATE: 12/26/97
 TYPE OF PRINT NAME: MILTON MATHESON TELEPHONE NO.

(This space for Sign Use)

APPROVED BY: *[Signature]* TITLE: *[Signature]* DATE: 7-18-00

1C *[Signature]*

Intermediate Casing

10.75", 45.5# csg. (Assumed 13.75" Hole) @ 2782'
 350 sxs Oilwell Special - TOC Calculated to 1909,

> 1st REPAIR / RECOMPLETE 6/03/1985 <

Set RBP @ 3803' w/ 10' sand cap
 Shot Sqz perfs @ 2500'-01' sqz'd w/ 500 sxs CIs 'H'
 w/ 3# salt/sx - Circulated 50 sxs w/ PKR @ 2192'
 Shot Sqz perfs @ 500' sqz'd w/ 250 sxs CIs 'H'
 w/ PKR @ 207' - TOC @ 150' by Temp
 D/O and reset PKR additional 3 times
 w/ 300 sxs additional. D/O to 2500' and press test.
 Circ sand off RBP - set PKR @ 4053' & press test OK.
 Perf 4062'-66', acidize and rtn to production.

TOL 3851'

Production Casing

7.0" 24.0# csg. (Assumed 8.75" Hole) @ 1701'
 6.625" 24.0# Csg 1701' to 3977'
 150 sxs El Toro cmt TOC 1394' Calculated
 Cut & pulled 1701' of 6.625"
 Replaced w/ 1701' of 7.0"

Production Liner (run 10/12/78)

4.0" 24.0# Csg @ 4229' (TOL 3851')
 6.625" 24.0# Csg 1701' to 3977'

Perfs 4062'-66'
 (1st Recomp)

Perfs 4100'- 4232'
 (Original comp)

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC

H.D. McKinley Well No.8

API 30-025-07626

660' FNL & 660' FWL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/22/1948

TA'd Date: 7/05/1997

P&A Date: 5/20/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 75 sxs
464'-0'
(9.625" Csg shoe)

Shot Sqz Holes 400'
Held 750 psi - OCD O.K.

Spot 30 sxs
1624'-1427'

Plugging Mud
between cmt. plugs

Spot 30 sxs
3123-2926'

CIBP @ 3123'
(Set for 1997 TA Status)

Formation fluids

P&A Marker

R.D.B. 3640'

350'

3179'

TD @ 3251'

Surface Casing

9.625", 32.3# csg. (12.125" Hole) @ 350'

200 sxs Howco Plug - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

| | | | | | | | |
|-----------------------|--------------------------|------------------|--------------------------|----------------------------|--------------------------|----------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPER. | ☐ | PLUG AND ABANDONMENT | ☒ |
| PULL OR ALTER CASING | ☐ | | ☐ | CASING TEST AND CEMENT JOB | ☐ | | |
| OTHER: | ☐ | | | | | | |

*Operator's Proposed or Completed Operations (Check) shall be submitted details, and give pertinent data, including estimated date of starting any proposed work SEE RULE 1102

TD 3251' 9-58" @ 350' C/c. @ 58" 3179' TOC @ 625' Perfs 3173'-3179' CIBP @ 3123'

S-1-03 Tag existing CIBP @ 3123' Circ. well w/ M.L.F. Spot 30 sxs of cement @ 3123'-2926' Spot 30 sxs of cement @ 2880'-2489'

Spot 30 sxs of cement @ 1624'-1427'

S-2-03 Perf @ 460' Test to 750 psi. Notify Gary Wiley. Spot 75 sxs of cement 464'-surface

Cut off wellhead & anchors 4" BGL. Cap well. Install dry hole marker. If under ground.

Approved as to plugging of this Well Item
Liability under bond is released well
surface restoration is completed.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert Gilbert TITLE SR Eng Tech DATE 5-20-03

TITLE OR PRINT NAME Robert Gilbert TELEPHONE NO 397-8206

(This space for Date Use)

APPROVED BY Harry W. Wink TITLE OC FIELD REPRESENTATIVE & STAFF MANAGER DATE MAY 21 2003

CONDITIONS OF APPROVAL, IF ANY

Production Casing

6.625", 24.0# csg. (8.75" Hole) @ 3179' w/ 800 sxs

Calculated to Surface - Not Reported

Plugging record shows TOC @ 650'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/13/2012

PLUGGED WELL SCHEMATIC

H.D. McKinley Well No.12

API 30-025-07627

660' FNL & 2310' FWL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/09/1948

TA'd Date: 6/07/1991

P&A Date: 5/09/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3630'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 10 sxs
60'-0'

Shot Sqz Holes 500'
Sqz'd w/ 240 sxs
(Lost Circ. - Tagged @ 68')

Spot 25 sxs
1612'-1365'

Plugging Mud
between cmt. plugs

Spot 25 sxs
3090'-2834'

CIBP @ 3090' w/ 1 sx sand
(Set for 1991 TA Status)

Formation & workover fluids

3140'

TD @ 3216'

Openhole 3140'-3216'

Surface Casing

9.625", 32.3# H-40 csg. (12.5" Hole) @ 451'
300 sxs Howco Plug - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK
TEMPORARILY ABANDON
PULL OR ALTER CASING
OTHER:

PLUG AND ABANDON
CHANGE PLUGS
OTHER:

SUBSEQUENT REPORT OF:

REMEDIAL WORK
ALTERING CASING
COMMERCE DRILLING OPER
PLUG AND ABANDONMENT
CASING TEST AND CEMENT JOB
OTHER:

I, Executive Represented or Completed Operations (Check appropriate box, and give pertinent details, including estimated date of starting any proposed work, SEE RULE 110)

TD 3216' 9 5/8" @ 451' Circ. 5 1/2" 3140' TOC @ 950' ON 3140'-3216' CIBP @ 3090'

5-7-03 Tag existing CIBP @ 3090' Circ. well w/ M.L.F. Spot 25 sxs of cement 3080'-2834' Spot 25 sxs of cement 2700'-2450'
Spot 25 sxs of cement 1612'-1365'

5-8-03 Perf @ 500' Pumped 240 sxs of cement, lost circulation. Tagged @ 68'

5-8-03 Spot 10 sxs surface plug 60'-surface

Cut off wellhead and anchors 4' BGL. Cap well. Install dry hole marker 4' underground.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby verify that the information herein is true and complete to the best of my knowledge and belief

SIGNATURE *Robert Gilchrist*

TITLE *SE Engng Tech*

DATE *5-13-03*

TYPE OF REPORT *Robert Gilchrist*

TELEPHONE NO.

APPROVED BY *Harry W. Wanda*

OC FIELD REPRESENTATIVE R/STAFF MANAGER

DATE *AUG 07 2003*

CONDITIONS OF APPROVAL, IF ANY

Production Casing

5.5", 14.0 & 15.5# J-55 csg. (Assumed 7.875" Hole) @ 3
1000 sxs Howco Plug - TOC @ 950' by Temp

SOS Consulting, LLC

Drawn by: Ben Stone, 2/14/2012

PLUGGED WELL SCHEMATIC

H.D. McKinley Well No.19

API 30-025-07628

1650' FNL & 660' FWL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 6/22/1948

TA'd Date: 6/07/1991

P&A Date: 5/06/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3630'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Shot Sqz Holes 425'
Circ. w/ 130 sxs to Surface
453'

Surface Casing

9.625", 32.3# H-40 csg. (12.25" Hole) @ 453'
275 sxs - Circulated to Surface

Spot 25 sxs
1612'-1365'

Plugging Mud
between cmt. plugs

Spot 25 sxs
2705'-2458'

Spot 25 sxs
3080'-2833'

CIBP @ 3080' w/ 7' 20/40 sand
(Set for 1991 TA Status)

3160'

Formation & workover fluids

Openhole 3160'-3244'

TD @ 3244'

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUS FIELD ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLUGS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
TD 3244' @ 9.625" @ 453' Circ. 5 1/2" 3160' TOC @ 425' ON 3160'-3244' CIBP @ 3080'
S-6-03 Tag Existing CIBP @ 3080' Circ. well w/ M.L.F. Spot 25 sxs of cement 3080'-2833' Spot 25 sxs of cement 2705'-2458'
Spot 25 sxs of cement 1612'-1365'
S-6-03 Perf @ 425' Circ. 130 sxs of cement down 5 1/2" up annulus to surface.
Cut off wellhead and anchors 4" BGL. Cap well. Install dry hole marker, 4" under ground.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE: Robert Gilbert TITLE: SE. Geos Tech DATE: 05-06-03
PHONE CURRENT NUMBER: Robert Gilbert TELEPHONE NO: 352-8206
(The sign for State Use)
APPROVED BY: Henry W. White TITLE: OC FIELD REPRESENTATIVE / STAFF MANAGER DATE: AUG 07 2003
CONDITIONS OF APPROVAL, IF ANY

Production Casing

5.5", 14.0 & 15.5# J-55 csg. (Assumed 8.75" Hole) @ 31
1200 sxs - TOC @ 425' by Temp

SOS Consulting, LLC

Drawn by: Ben Stone, 2/14/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.28

API 30-025-07630

1980' FNL & 1980' FWL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 10/30/1930

P&A Date: 12/02/1986

Well plugged by:
Amoco Production Co.

Steel plate 4' below street level (no marker) D.F. 3624'

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Cellar filled
w/ 38 sxs

Circ. 22 sxs to Surf.

Sqz Perfs 200'-01'
Estb rate w/ 10# Brine
Follow w/ 400 sxs
(Unable to Circulate)
Tagged @ 115'

1600'-1350'
50 sxs

2975'-2715'
50 sxs

10# Brine
between cmt. plugs

Cmt Ret @ 3749' for P&A
Pump 160 sxs
(4# Tuff Plug/sx)
to abandon all perfs
(R/O 66 sxs)

5th Completion
Sqz & Re-Perf 4th Intervals

Perfs 3966'-88'
4079'-91', 4105'-15'
4128'-74' (4th Comp)

Sqz'd Perfs 4150'-64'
w/ 100 sxs (R/O 45 sxs)

Sqz'd Openhole
w/ 150 sxs

TD @4226'

Surface Sqz'd 9.625"/13.0"
w/ 100 sxs

212'

Sqz Perfs 249'
Sqz's w/ 500 sxs
(Remedial - 10/08/81)

Sqz Perfs 1000'
Sqz's w/ 500 sxs
Sqz Perfs 1580'
Sqz's w/ 400 sxs
(Remedial - 10/08/81)

Surface Casing

13.0", 40# csg. (Assumed 17.5" Hole) @ 212'
150 sxs Oilwell Special - TOC @ 7' - Calculated

Intermediate Casing

9.625", 40# csg. (Assumed 12.25" Hole) @ 2711'
300 sxs Oilwell Special - TOC @ 50' Calculated

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT QP:

| | | | |
|----------------------|------------------|----------------|----------------|
| COMPLETION & CLOSURE | PLUG AND ABANDON | REVISION, WORK | REVISION, WORK |
| COMPLETION & CLOSURE | PLUG AND ABANDON | REVISION, WORK | REVISION, WORK |
| COMPLETION & CLOSURE | PLUG AND ABANDON | REVISION, WORK | REVISION, WORK |
| COMPLETION & CLOSURE | PLUG AND ABANDON | REVISION, WORK | REVISION, WORK |

17. Erection Statement or Completion Operations (Check only when all pertinent details, and give pertinent data, including account data of starting any program
NDR-SU 12-2-86. Pump 10 bbl water down tubing and 50 bbls down casing. Install BOP. P&A w/production equip. R/O w/Howco 6-5/8" cement retainer and set at 3749. Cement w/100 sacks
Class C neat and 60 sacks Class C. 4# per sack Tuff plug. Disp w/1/4 bw. Squeeze
pressure 450#. P out of tool and dump 2 sacks. 35 sacks below tool and 57 sacks in
formation. Reverse out 66 sacks. Disp hole 125 bbls 10# brine water. R/O 2-3/8" tbg
open ended to 2975 ft and spot 50 sack Class C neat plug. Pull up to 1600 ft and spot
50 sack Class C neat plug. Perf 200-201 4 SPF. Pump 10 bbl 10# brine gel at 3 BPM.
1/4 bbl return out 13" casing. Cement 400 sacks Class C neat. Unable to circulate
cement. Disp 4-1/2 bw. Tag at 115 ft. Circulate hole w/22 sacks Class C neat. Cut
off casing and wellhead. Install plate and 1" ball valve approx 4 ft below surface.
Fill cellar w/38 sacks Class C cement. RDMO-SU 12-5-86.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Steve Brownlee Admin. Analyst 12-16-86

OIL & GAS INSPECTOR 12-16-86

Production / Inter. Casing

6.625", 24# csg. (Assumed 8.0" Hole) @ 3950' w/ 150 sxs
TOC @ 3078' by Calc.

TOL 3854'

Production Liner

4.5", 9.5# J-55 csg. (Assumed 6.25" Hole) @ 4183'
w/ 150 sx Class 'A' - TOC @ 3854' (Top of Lnr.)

Perfs 4115'-28' (3rd Comp)
Set CIBP @4140' for 3rd Comp
Perfs 4150'-64' (2nd Comp)
PBTD @4178'
Openhole Perfs 4186'-4208'
(Original Completion)

SOS Consulting, LLC

Drawn by: Ben Stone, 2/14/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.41

API 30-025-20933

2310' FSL & 460' FEL, SEC. 5-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/10/1964

Convert to Inj.: 3/13/1985

TA Status Dt: 5/07/1998

P&A Date: 11/23/1999

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz w/ Cmt to Surf.
& Leave Hole Full

Sqz Perfs 400'

419'

Circ. Hole w/
Plugging Mud

Cap CICR w/ 25 sx

Sqz Perfs 1500'
Sqz w/ 50 sx
thru CICR @ 1450'

Spot 70 sx
3200' to 2200'

Spot 25 sx
3950' to 3850'

Cap PKR w/ ~35' Sand
(Well was TA'd w/ PKR in Hole)

Formation Fluids

P&A Marker

D.F. 3622'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

10.45", 32.75# Csg (13.375" Hole) @ 419'
150 sx Class 'C' Neat - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| | | | |
|---|--|--|------------------------------|
| Subject: 7 Copies to Appropriate Div. or Office
P.O. Box 11000 Hobbs NM 88240-11000
DISTRICT: P.O. Box 11000 Hobbs NM 88240
COUNTY: LEA
SECTION: 5-T19S-R38E
TOWNSHIP: 19S
RANGE: 38E | | State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
3040 Pecos St.
Santa Fe, NM 87505 | Form C-208
Revised 1-2-99 |
| SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DEEPER RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-105) FOR SUCH PROPOSALS.) | | WELL API NO
30-025-20933 | |
| 1. Type of Well
OIL ☒ GAS ☐ OTHER ☐ | | 2. Indicate Type of Lease
STATE ☐ FEDERAL ☒ | |
| 3. Name of Operator
Altura Energy, LTD | | 4. Lease State or Other Agreement Name
South Hobbs (GSA) Unit | |
| 5. Address of Operator
P.O. Box 11000, Hobbs, NM 88240 | | 6. Well No.
41 | |
| 7. Well Location
Unit: 5 Township: 19S Range: 38E Section: 5
10. Direction (Give whether NE, NW, SE, SW, etc.)
11. Direction (Give whether NE, NW, SE, SW, etc.)
12. Direction (Give whether NE, NW, SE, SW, etc.) | | 8. Well Status or Wellhead
Producing - Non-Producing | |
| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
| NOTICE OF INTENTION TO:
PERFORM REPAIRS, WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐ CAPPING TEST AND CEMENT JOB ☐ OTHER ☐ | | SUBSEQUENT REPORT OF: | |
| 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1102. | | | |

Subject well plugged and abandoned as described on the attached.

1. RUN 1" TYP. TIE TOP OF PACKER CAPTED TO SHUT-AND REPORT 25 HRS OR 100' CMT. BEING AT 3850'
2. DEPTH 4 MET. THROUGH 1200' TO 2200' LATERAL TO 2000'. TAP CMT. TYP.
3. PLUG BACK 4" 5" AT 1450', RUN CMT. TO 4000', SHUT, AND 200' CMT. CAP CMT. W/ 25 HRS CMT.
4. EVERY 100' 4" 5" AT 400' AND CIRCULATE CMT. BETWEEN 4.5" HRS TO 1000'.
5. DEPTH CMT. BEING 400' TO SURFACE (UNDER 4.5")
6. INSTALL P&A MARKER.

| | |
|---|--|
| I hereby certify the information above is true and complete to the best of my knowledge and belief. | |
| SIGNATURE: <u>Mark Stephens</u>
TITLE: <u>Business Manager, CBL</u>
DATE: <u>11/23/99</u> | SIGNATURE: <u>Ben Stone</u>
TITLE: <u>SOS Consulting, LLC</u>
DATE: <u>3/13/2013</u> |
| OTHER: <u>See GW</u> | |

Production Casing

4.5", 9.5# Csg. (6.75" Hole) @ 4088'
200 sx Class 'C' - TOC @ 2906' by CBL

Remedial Sqz During Initial Completion

Perf @ 4050'-54' and 3942' & 3947'; Sqz w/ 100 sx Class 'A'

Recomp 9/12/79: Deepen to 4232'

Acidize w/ 5000 gals. 15% NEA

Convert to Injection: 3/13/85

Openhole 4088' to 4200'

Acidize w/ 3000 gals. 15% NEA

Orig. TD @ 4200'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/13/2013

DTD @ 4232'

PLUGGED WELL SCHEMATIC

O.O. Bradley Well No.2

API 30-025-07636

330' FNL & 480' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 2/17/1948

P&A Date: 10/20/1975

Well plugged by:
Atlantic Richfield Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 10 sxs
75'-0'

P&A Marker

D.F. 3636'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 32.0# H-40 csg. (12.25" Hole) @ 490'
250 sxs - Circulated to Surface

490'

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | | |
|--|--------------------------|------------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PROPOSED MODIFICATION OF WELL | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | REWORKING DEEPENING OPER. | ☐ |
| PULL OR ALTER CASING | ☐ | ABANDON PLUG AND CEMENT JOBS | ☐ |
| OTHER | ☐ | OTHER | ☐ |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work) SEE REG. 1105.

On 10/16/75 rigged up & pulled rods & pump. Installed BOP & pulled 2-3/8" OD tbg. W/ 8 1/2" CIBP on 3123'. W/ 2-3/8" tbg & spotted 10 sx C1 C cmt on top of CIBP @ 3123'. Displaced hole w/ heavy gelled mud. Spotted 12 sx C1 C cmt in 8 1/2" csg across top of salt @ 1600'. Pulled up hole & spotted 10 sx C1 C cmt @ surface. Installed regulation dry hole marker, cleaned & levelled location. P&A eff 10/16/75. Final Report.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

DATE: 10/20/75
TITLE: Dist. Drlg. Supr.
APPROVED BY: [Signature]
DATE: 10/20/75
CONDITIONS OF APPROVAL, IF ANY:

Spot 12 sxs
1600'-1510'

Heavy Gelled Mud
between cmt. plugs

CIBP @ 3123' w/ 10 sxs
(fill to 3050')

3200'

Formation & workover fluids

Openhole 3200'-3273'

TD @ 3273'

Production Casing

5.5", 15.5# J-55 csg. (7.875" Hole) @ 3200' w/ 800 sxs
Calculated to surface - Not reported.

SOS Consulting, LLC

Drawn by: Ben Stone, 2/20/2012

PLUGGED WELL SCHEMATIC

O.O. Bradley Well No.3

API 30-025-07637

330' FNL & 1650' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/08/1948

P&A Date: 10/17/1975

Well plugged by:
Atlantic Richfield Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 10 sxs
75'-0'

P&A Marker

D.F. 3637'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 32.0# H-40 csg. (12.25" Hole) @ 313'
250 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | SUBSEQUENT REPORT OF: | |
|--|--------------------------|---------------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PROPOSED MODIFICATION WORK | ☐ | PLUG AND ABANDON | ☐ |
| REPAIR/REPLACE EQUIPMENT | ☐ | REPAIR/REPLACE EQUIPMENT | ☐ |
| STOP OR ALTER OPERATION | ☐ | CHANGING PLUGS | ☐ |
| OTHER | ☐ | CHANGING VENT AND CHANGING JOBS | ☐ |
| | | OTHER | ☐ |

17. Describe Proposed or Continuing Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work) SEE RULE 8.1 (1975).

- On 10/15/75 rigged up, pulled rods & tbg, installed ROP.
- WIS w/84" CIBP on WL, set @ 3125'. WIS w/2-3/8" tbg & spotted 10 sx C1 C cut, 71' on top of WP.
- Spotted heavy gelled mud between all cmt plugs.
- Spotted 12 sx C1 C cut in 84" OD csg (100' plug) across top of salt @ 1600'.
- Spotted 10 sx C1 C cut @ surface.
- Installed regulation dry hole marker, cleaned & leveled location. Your office to be notified when location is ready for final inspection.

18. I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

APPROVED BY: *[Signature]* TITLE: Dist. Engr. Supv. DATE: 11/9/75
CONDITIONS APPROVAL OF ACT:

Spot 12 sxs
1600'~1500'

Heavy Gelled Mud
between cmt. plugs

CIBP @ 3125' w/ 10 sxs
(fill to 3054')

Formation & workover fluids

3238'

Perfs 3226'-36'

Openhole 3238'-3277'

TD @ 3277'

Production Casing

5.5", 15.5# J-55 csg. (7.875" Hole) @ 3238'
800 sxs - Calculated to surface - Not reported.

SOS Consulting, LLC

Drawn by: Ben Stone, 2/20/2012

PLUGGED WELL SCHEMATIC

O.O. Bradley Well No.4

API 30-025-07638

1650' FNL & 330' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/24/1948

P&A Date: 10/15/1975

Well plugged by:
Atlantic Richfield Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

D.F. 3638'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 10 sxs
75'-0'

Surface Casing

8.625", 32.0# H-40 csg. (12.25" Hole) @ 302'
250 sxs - Circulated to Surface

302'

<P&A SUBSEQUENT SUNDRY>

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|----------------------|------------------|------------------|----------------------|
| REPAIRS REQUIRED | PLUG AND ABANDON | REPAIRS REQUIRED | ALTERING CEMENT |
| TEMPORARILY REMOVED | REPAIRS REQUIRED | REPAIRS REQUIRED | PLUG AND ABANDONMENT |
| FALL OR ALTER CEMENT | REPAIRS REQUIRED | REPAIRS REQUIRED | OTHER |
| OTHER | | | |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 179.

On 10/14/75 rigged up & pulled completion assembly. Installed ROP. Ran 5 1/2" CIBP & set @ 3119'. WIS w/tbg & spotted 10 sz Cl C cmt on top of RP. Spotted heavy gelled mud between all plugs. Spotted 12 sz Cl C cmt inside 8 1/2" csg across top of salt @ 1600'. Spotted 10 sz Cl C cmt @ surface. Installed regulation dry hole marker. Cleaned & levelled location. Well P&A 10/15/75. Final Report.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

By: John R. Roost TITLE: Dist. Dir. Supv. DATE: 10/17/75
APPROVED BY: John R. Roost TITLE: DATE: 10/17/75
COMMITTEE ON APPROVAL, IF ANY:

Spot 12 sxs
1600'-1510'

Heavy Gelled Mud
between cmt. plugs

CIBP @ 3119' w/ 10 sxs
(fill to 3044')

3237'

Perfs 3219'-35

Formation fluids

Openhole 3237'-3270'

TD @ 3270'

Production Casing

5.5", 15.5# J-55 csg. (7.875" Hole) @ 3237' w/ 800 sxs
Calculated to surface - Not reported.

SOS Consulting, LLC

Drawn by: Ben Stone, 2/20/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.113

API 30-025-07639

1650' FNL & 1650' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 4/09/1948

Convert to Inj: 4/21/1981

TA'd Date: 11/24/1997

P&A Date: 10/20/2002

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

G.L. 3625'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot Cement
450'-0'

Sqz perfs 450'
Circulate Cmt to Surface

Spot 12 sxs
1725'-1475'

Gelled Mud
between cmt. plugs

Spot Cement
from 3975'-2675'

Surface Casing

8.625", 32.0# H-40 csg. (12.25" Hole) @ 321'
250 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| | | | |
|--|--------------------------|----------------------------|-------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other P&A | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | ALTERING CASING | ☐ |
| | | COMMENCE DRILLING OPNS. | ☐ |
| | | PLUG & ABANDONMENT | ☒ |
| | | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)
SEE RULE 1185
Notify the NIMCO 34 for before jobs (393-6161)

R/U/FU: Spot cmt from P&A @ 3795' to 2675'. 4" liner from 3642' to 4112'. 4" CIBP @ 3795'. Bot of sub @ 2288'.
Spot cmt put from 2675' to 680'. TOC of 5.5" csg @ 1340' (CBL).
Spot cmt from 1725' to 1475'. Top of sub @ 1680'.
Perforate spg hole @ 450'.
Cue cmt to surface.
Remove BOP.
Spot cmt from 450' to surface. Bottom of 8-5/8" csg @ 321'.
Cut off southeast and install dry hole marker.
RDPU. Clean Location.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

Rig Up Date: 10/15/2002
Rig Down Date: 10/16/2002

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: *Robert H. Hunt* TITLE: SR. ENG. TECH. DATE: 10/20/2002

TYPE OR PRINT NAME: ROBERT H. HUNT TELEPHONE NO.: 305/797-5206

APPROVED BY: *Harry W. Wink* DATE: _____

CONDITIONS OF APPROVAL: ANY _____

OC7 1 2 2005

Production Casing

5.5", 15.5# J-55 csg. (7.875" Hole) @ 3279'
800 sxs - Calculated to surface - Not reported.

TOL 3042'

Production Liner

4.0", 11.6# Hydril Pipe (7.875" Hole) @ 4112'
155 sxs - Calculated to surface - Not reported.

CIBP @ 3795' for 1997 TA Status

Remedial - Set CIBP @ 3706' & Sqz w/
150 sxs (95 sxs in formation - R/O remaining)
D/O Cement & Retainer - Circulate hole clean;
Return to Injection (7/15/85)

4th Comp (Repair) - Set CIBP @ 4112'
Sqz w/ 617 sxs - Set CIBP @ 3770' & Sqz w/
300 sxs - D/O to 4100'; Perf 4010'-87'
Set PKR @ 3910' - Return to Injection.

2nd Comp - Set CIBP @ 3285' & Spot 70 sxs

D/O to 4138' - Perf 4028'-40' and 4060'-4100'

Original Comp - Perfs 3988', 4017', 23', 44' and 67'

3rd Comp (Inj.) - Set CIBP @ 4104' & Sqz w/ 325 sxs

D/O to 4175' - Set CIBP @ 4106' & Sqz w/ 100 sxs

D/O to 4240' - Spot 17 sxs; Set CIBP @ 4207'

Sqz w/ 100 sxs; D/O to 4243'

Openhole Perfs 4132'-40'

Openhole 4112'-4175'

TD @ 4175' - D/O to 4243'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/22/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.10

API 30-025-07640

480' FNL & 1650' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/10/1948

Convert to Inj.: 3/03/1986

TA Date: 5/10/2002

P&A Date: 9/03/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

D.F. 3638'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 45 sxs
412'-0'

Surface Casing

13.375", 36.0# csg. (17.5" Hole) @ 362'
250 sxs - Circulated to Surface

362'

Sqz'd leak @ 370' w/ 400 sxs

Cement to Surface
(May 1968)

Plugging Mud
between cmt. plugs

Perf @ 1650' - pressure to
2000' psi & held.
Spot 35 sxs 1704'-1500' (Tagged)

<P&A SUBSEQUENT SUNDRY>

| | |
|---|--|
| 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data | |
| NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐ | SUBSEQUENT REPORT ON:
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ PLUG AND ABANDON ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐ |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completion, the well must be completed in accordance with the well completion plan under bond is retained until surface restoration is completed.

9-1-84 Set CIBP @ 3980'
9-2-84 Circulate well w/ plugging mud. Spot 20 sxs of C cement on top of CIBP, set top of cement 3703'.
Perf @ 2690' Pressure up on perf to 2000 psi-held. Covered w/ 20 sxs of cement @ 2740'. Tagged TOC @ 2571'
9-3-84 Perf @ 1600' Pressured up on perf to 2000 psi-held. Spot 30 sxs of cement @ 1704', pressured up on perf. Tagged @ 1580'. Spot 45 sxs of cement 412'-surface. POB @ 1650' w/ cement

Set off wellhead @ anchors 3" BGL. Cap well. Install dry hole marker.
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or hole-
grade work has been filled in accordance with the guidelines of the NMSOP or as an (attached) alternative OKD-approved plan.

SIGNATURE: *[Signature]* TITLE: Agent DATE: 9/15/04
Type or print name: Jack Shabro E-mail address: jshabro@keyenergy.com Telephone No: 432-523-5155
(This space for State use)

APPROVED BY: *[Signature]* TITLE: NEW 2-0-2004
Conditions of approval, if any:

Perf @ 2690' - pressure to
2000' psi & held.
Spot 20 sxs 2740'-2571' (Tagged)

Remedial (10/21/82)
Sqz'd openhole interval w/
250 sxs - CIBP @ 4085'
D/O to 4237'

Production Casing

5.5", 15.5# J-55 csg. (7.875" Hole) @ 4095'
1250 sxs - Calculated to surface - Not reported.

CIBP @ 3980' (Set for 2002 TA Status)
Cap w/ 20 sxs (Est. fill to 3703')

3rd Recomp - Convert to Injection
PB to 4008' w/ sand Sqz thru CIBP @ 3864'
C/O to 4083', acidize, set PKR @ 3915'
Begin Injection thru Original Perfs

2nd Recomp.
Perfs 3972'-4002', 4016'-26' and 4046'-50'
GRBG Perfs 3980'-4024'
SA Perfs 4040'-74'

Plus OH to 4101' (1st Recomp.)

Openhole 4095'-4237' (Original Completion)

Formation & workover fluids

PBTD @ 4083'

TD @ 4237'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/26/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.115

API 30-025-07642

2310' FSL & 330' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 6/13/1952

Convert to Inj.: 3/28/1981

TA Date: 11/24/1997

P&A Date: 9/12/2002

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot Cement
60'-0'

Spot Cement
435'-275'

Spot 25 sxs
1675'-1525'

Plugging Mud
between cmt. plugs

Spot 25 sxs
2675'-2525'

CIBP @ 3990'
Cap w/ Cmt - Tag @ 3960'

3rd Recom - CIBP @ 3937'
Sqz existing perms w/ 150 sxs
D/O to 4100' & Perf 4012'-82'
Acidize & return to Injection (2/15/86)

P&A Marker

R.T. 3631'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 28.0# csg. (11" Hole) @ 360'
300 sxs Howco - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| | | | |
|---|--------------------------|-----------------------------|-------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | ALTERING CASING | ☐ |
| | | CONDUIT DRILLING OPS | ☐ |
| | | PLUG & ABANDONMENT | ☒ |
| | | CASING TEST AND ELEMENT JOB | ☐ |
| | | OTHER | ☐ |

12. Describe Proposed or Completed Operations (Cover) under all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. SEE RULE 1103

NOTIFY THE NMD (24 hrs BEFORE RIG UP. (393-4161)

SET 1.5" CIBP @ 3990' TOP PERF @ 3995' INJECTION PKR WAS SET @ 3990'.
CAP CIBP W/ 35' CMT. TAG CMT @ 3960'.
SPOT MILD GEL FROM 3960' TO 3650' BOT OF ANHY @ 2600'.
SPOT 25 SXS CMT @ 2675' TO 2525'.
SPOT MILD GEL FROM 2525' TO 1675'.
SPOT 25 SXS CMT @ 1675' TO 1525'. TOP OF ANHY @ 1400'.
SPOT MILD GEL FROM 1525' TO 435'.
SPOT CMT FROM 435' TO 275'. TAG CMT. BOT OF 8-5/8" CSG SHOE @ 360'.
SPOT MILD GEL FROM 275' TO 60'.
SPOT CMT FROM 60' TO SURFACE. Well is P&A'd.

Rig Up Date: 08-28-2002
Rig Down Date: 09-12-2002

** CUT OFF WELLHEAD AND CASING. INSTALL 4" DRY HOLE MARKER WITH LEGAL INFORMATION.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: *Robert Gilbert* TITLE: SR. ENGINEER DATE: 09/12/2002
TYPE OR PRINT NAME: Robert Gilbert TELEPHONE NO: 505/997-8266

(This space for State Use)

APPROVED BY: *Johnny Robinson* TITLE: DATE: JAN 15 2003

CONDITIONS OF APPROVAL IF ANY

GW

Set CIBP @ 2610' Cap w/ 20' sand
Perf @ 2400' & Sqz w/ 700 sxs
Perf @ 2260' & Sqz w/ 600 sxs
D/O to 4250' and perforate (1st Recom)
Commence Injection (3/28/81)

2nd Recom (remedial work) - Spot 900#
sand w/ CalSeal cap - Tag @ 4180'
Set CIBP @ 3955' and Sqz perms
w/ 700 sxs - Test & ReSqz w/ 100 sxs
Circ/out 60 sxs - D/O & C/O to 4250'.
Return to Injection 4144'-4240' (12/28/82)
Perfs 4020'-70' (Original Comp)

Production Casing

5.5", 17.0# csg. (7.875" Hole) @ 4242'
700 sxs Howco - Calculated to surface - Not reported.

1st Recom.
Perfs 4144'-4228'
and 4238'-40'

4242'

TD @ 4250'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/26/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.117

API 30-025-07643

990' FSL & 330' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 4/30/1953

Convert to Inj.: 1/24/1986

Well TA'd: 11/25/1997

P&A Date: 9/15/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @330'
Sqz'd w/ 135 sxs
Circulate to Surface

Sqz Perfs @1640'
Sqz'd w/ 40 sxs
Tagged @ 1521'

Plugging Mud
between plugs

Sqz Perfs @ 2700'
Sqz'd w/ 45 sxs
Tagged @ 2579'

Spot 30 sxs
3950'-3775'

CIBP @ 3950'

Formation Fluids

P&A Marker

G.L. 3607'

<EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625" 40#, H-40 csg. (12" Hole) @ 280'

300 sx Howco - Calc. to Surface - Not reported

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|--|---|--|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPNS ☐ | PLUG AND ABANDONMENT ☒ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPLETION ☐ | CASING TEST AND CEMENT JOB ☐ | |
| OTHER: ☐ | | OTHER: ☐ | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/14/04 See CIBP @ 2950' Tag CIBP w/ tag. Circ. well w/ plugging mud. Spot 30 sxs of cement 3950'-3775'.
Perf @ 2700' Sqz'd 45 sxs under a packer @ 1 1/4 byps 1800 psi. Tagged TOC @ 2579'

9/15/04 Perf @ 1640' Sqz'd 40 sxs under a packer @ 1 1/4 byps 1500 psi. Tagged TOC @ 1521'.
Perf @ 330' Circ 130 sxs of cement up annulus to surface.

Cut off wellhead & install 3" BGL. Cap well. Install dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any job or bottom-grade tests has been/will be recommended or closed according to NMSRP guidelines ☐ a ground permit ☐ or as (attached) alternative OCB-approved plan ☐.

SIGNATURE: *J. Shelton* TITLE: Agent DATE: 6/21/04

Type or print name: Josh Shelton E-mail address: jshelton@kayenergy.com Telephone No. 432-833-5199

APPROVED BY: *Hayden Link* TITLE: OC FIELD REPRESENTATIVE W/STATE MANAGER DATE: NOV 22 2004

Production Casing

7.0" 20.0# csg. (9.25" Hole) @ 4050' w/ 450 sx cmt.

TOC @ 1980' by Calc.

Openhole 4050'-4154'

TD @ 4154'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/27/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.114

API 30-025-07644

2310' FSL & 1650' FEL, SEC. 6-T19S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 10/17/1952

Convert to Inj.: 2/26/1986

TA Date: 11/24/1997

P&A Date: 9/08/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @ 310'
Circulate 93 sxs to Surface

Spot 25 sxs
1632'-1362'

Plugging Mud
between cmt. plugs

Perf @ 2700'
Held 2000 psi
Spot 35 sxs 2751'-2531' (Tagged)

CIBP @ 3950'
Cap w/ 20 sxs - 3950'-3753'

Formation Fluids

P&A Marker

G.L. 3618'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625" 28.0# csg. (11" Hole) @ 260'

300 sxs Howco - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Document

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE ☐
COMPLETION ☐ OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPS ☐ PLUG AND ☒
ABANDONMENT ☐
CASING TEST AND ☐
CEMENT JOB ☐ OTHER ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/7/04 Set CIBP @ 3950' Circulate well w/ plugging mud.

9/8/04 Spot 25 sxs of cement 3950'-3753'

Perf @ 2700' Pressured up on perf to 2000 psi-Hold Spot 35 sxs of cement 2751'. Tagged TOC 2531'

Spot 30 sxs of cement 1632'-1362' NMOCD assisted tagging requirement.

Perf @ 310' Circulated 93 sxs of cement up annulus to surface.

Cut off wellhead & meters 3' BGL. Cap well. Install dry hole marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until

I hereby certify that the information above is true and complete to the best of my knowledge, and that I am not aware of any job or hole-grade work has been or will be conducted or closed according to NMOCD guidelines ☐ a general permit ☐ or an (attached) alternative OGD-approved plan ☐

SIGNATURE *Jack Shelton* TITLE Agent DATE 9/15/04

Type or print name: Jack Shelton E-mail address: jshelton@kyenergy.com Telephone No. 432-533-5195
(This space for State use)

APPROVED BY *Harry W. Wain* FIELD REPRESENTATIVE (STAFF) NOV 22 2004
Conditions of approval, if any

Production Casing

5.5" 17.0# csg. (7.625" Hole) @ 4149'

w/ 300 sxs Howco Calculated to 833'

1st Recom.

Added Perfs 4046'-99'

Perfs 4099'-4109' (Original Comp)

4149'

TD @ 4150'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/27/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.116

API 30-025-07645

990' FSL & 1650' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/15/1957

Convert to Inj.: 2/19/1986

TA Date: 11/25/1997

P&A Date: 9/16/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

K.B. 3624'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 45 sxs
395'-0'

315'

Surface Casing

8.625" 28.0# csg. (11" Hole) @ 315'

300 sxs Howco - Circulated to Surface

Remedial Work

Sqz Perfs @ 340' (CIBP @ 3850')

Sqz w/ 180 sxs & Circ. 20 sxs to Surf

D/O & Sqz w/ 250 sxs

Return to Prod. (9/16/81)

Spot 20 sxs
1784'-1610' (Tagged)
Perf @ 1725' - pressure to
1000 psi & held.

Spot 25 sxs
2705'-2451'

Plugging Mud
between cmt. plugs

CIBP @ 3800'
Cap w/ 20 sxs - 3800'-3608'

Formation Fluids

4100'

TD @ 4236'

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATIONS ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

9/16/81 Set CIBP @ 3800' Tag CIBP w/ 20 sxs, Circ. well w/ plugging mud. Spot 20 sxs of cement 3800'-3608'
Spot 25 sxs of cement @ 2705'-2451'. Perf @ 1725' Pressured up on perf to 1000 psi-held. EL Gonzales oh'd test.
Spot 20 sxs of cement @ 1784' Tagged TOC @ 1610' EL Gonzales cemented perf @ 355' (prior spg job)
Spot 45 sxs @ 395'-surface.

Cut off wellhead & anchors 3' BGL. Cap well, install dry hole marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade work has been well covered or closed according to NMEDCB guidelines ☐ or as (attached) alternative OGD-approved plan ☐.

SIGNATURE: *Jack Shelton* TITLE: Agent DATE: 9/21/84

Type or print name: Jack Shelton E-mail address: jshelton@keyenergy.com Telephone No: 432-523-5155
(This space for State use)

APPROVED BY: *Ben Stone* ORIGINAL SIGNATURE DATE: 2/2/2012
Conditions of approval, if any: OK FIELD REPRESENTATIVE / STAFF SUPERVISOR

Production Casing

5.5" 14.0# csg. (7.75" Hole) @ 4100'

200 sxs - Calculated to 2972'

Perfs 3965', 72', 82', 4013', 29'
and 4047', 54', 58', 62', 68', 71'

1st Recomp. (Convert to Inj.)

PB to 4097' w/ CIBP @ 3836'

Sqz Existing Perfs w/ 80 sxs

D/O to 4230' & Acidize OH Interval

Commence injection 2/19/86

SOS Consulting, LLC

Drawn by: Ben Stone, 3/02/2012

Fowler 'B' Well No.1
API 30-025-07646
 2310' FSL & 2317' FWL, SEC. 6-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 2/04/1959
P&A Date: 1/06/1960

<PLUGGING ITEMS LISTED LEFT>

P&A Marker K.B. 3629'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 15 sxs
75'-0'

Surface Casing
8.625" 28.0# csg. (11.25" Hole) @ 1652'
736 sxs Howco - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

Spot 25 sxs
1651'-1526'

**Hole Loaded w/
Plugging Mud
Prior to Spotting Plugs**

Spot 25 sxs
3410'-3345'

5.5" Shot & pulled @ 3463'

Spot 30 sxs
4249'-4009'

Perfs 4202'-14'

| NEW MEXICO OIL CONSERVATION COMMISSION | | | | | | FORM C-100
(Rev. 1-18) | |
|---|--------------|---|---|---|------------------------|---------------------------|--|
| MISCELLANEOUS REPORTS ON WELLS | | | | | | DATE OF REPORT | |
| (Submit to appropriate District Office or per Commission Rule 1106) | | | | | | | |
| Name of Company
Cities Service Oil Company | | | Address
Box 51, Lordsburg, New Mexico | | | | |
| Lessor
Paula J. P | | Well No.
1 | Dist. Loc.
2 | Section
6 | Township
13C | Range
22E | |
| Date Well Completed
1-6-60 to 1-6-60 | | Prod.
Bobbo | | County
Lin | | State
N.M. | |
| THIS IS A REPORT OF: (Check appropriate block) | | | | | | | |
| ☐ Beginning Drilling Operations | | ☐ Casing Test and Cement Job | | ☐ Other (Explain) | | | |
| ☒ Plugback | | ☐ Remedial Work | | | | | |
| Detailed account of work done, nature and quantity of materials used, and results obtained. | | | | | | | |
| <p>The hole was drilled with approximately 200 barrels of water and 30 sacks cement plug 1249'-1400' - casing was perforated from 1410' to 1420' - lost from point test. Shot off 3 1/2" casing and recovered 3463'. The 22" casing plug from 3430' to 3545'. Ran 25 sack plug 1450' to 1576'. Ran 15 sack cement and gravel 1414'-1418' casing with information required by State on the marker. The 6 1/2" was a 1414' casing 8, 1960. The location was cleared of all debris, collected all plugs and fillers. Cleanup was completed February 14, 1960. This well was shut in by New Mexico Casing Fillers under the supervision of Mr. Russ V. Nelson, 125 S. 2nd St., Albuquerque, New Mexico.</p> | | | | | | | |
| Prepared by
H. H. Blasing | | Position
Production Foreman | | Company
Cities Service Oil Co. | | | |
| FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY | | | | | | | |
| ORIGINAL WELL DATA | | | | | | | |
| SP Elev. | T.D. | B.P.D. | | Predicting Interval | | Completion Date | |
| Fishing Diagram | | Fishing Depth | | Oil Setting Diameter | | Oil Setting Depth | |
| Perforated Interval(s) | | | | | | | |
| Open Hole Interval | | | | Predicting Formation(s) | | | |
| RESULTS OF WORKOVER | | | | | | | |
| Test | Date of Test | Oil Production BPD | Gas Production MCFPD | Water Production BPD | GOR Cubic feet/Bbl. | Gas Well Potential MCFPD | |
| Before Workover | | | | | | | |
| After Workover | | | | | | | |
| OIL CONSERVATION COMMISSION | | | | I hereby certify that the information given above is true and complete to the best of my knowledge. | | | |
| Approved by
John H. Blasing | | | | Name
John H. Blasing | | | |
| Title
Production Foreman | | | | Signature
John H. Blasing | | | |
| Date
1-6-60 | | | | Company
Cities Service Oil Co. | | | |

Production Casing
5.5" 14.0# csg. (7.875" Hole) @ 4250'
w/ 150 sxs Calculated to 2592'

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.9

API 30-025-07647

330' FNL & 2310' FWL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/09/1930

TA Date: 8/21/1991

P&A Date: 9/12/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs 400'
Circulate Cmt to Surface

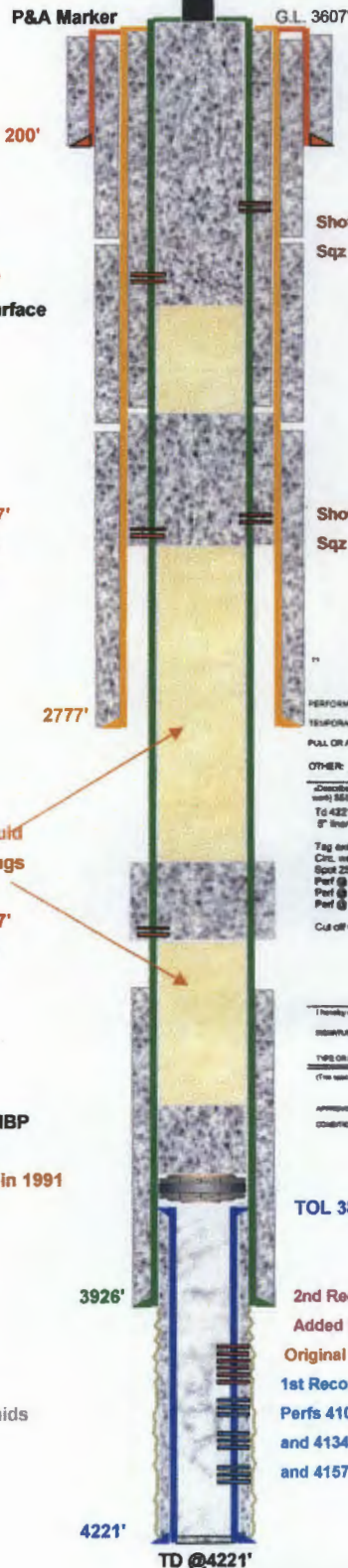
Shot Perfs 1667'
Sqz w/ 40 sxs
1667'-1567'

Mud Ladened Fluid
between cmt. plugs

Shot Perfs 2827'
Sqz w/ 45sxs
2827'-2727'

Spot 25 sxs on CIBP
~3795'-3688'
CIBP @ 3795' for TA in 1991

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

15.5", 40# csg. (Assumed Hole 17.5") @ 200'
175 sx - Calculated to Surface - Not reported

Intermediate Casing

10.75", 36# csg. (Assumed 13.75" Hole) @ 2777'
400 sxs - TOC @ 1779' Calculated

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
|---|------------------|------------------------------|----------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | PLUS AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLANS | COMMENCE DRILLING OPERATIONS | PLUS AND ABANDONMENT |
| PULL OR ALTER CASING | | CASING TEST AND CEMENT JOB | |
| OTHER: | | OTHER: | |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1105.

To 4221' P&A 4180' Perfs 4062'-4172' 15 1/2" @ 200' 175 sxs, 10 3/4" 2777' 400 sxs, 7" 3802' 250 sxs, 5 1/2" 0-3802' 200 sxs
8" liner 3962'-4221' 180 sxs CIBP @ 3795'

Tag existing CIBP
Circ. well w/ M.L.F.
Spot 25 sxs of cement on top of CIBP 3795'

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signature: *[Signature]* TITLE: Agent DATE: 11-08-03
TYPE OR PRINT NAME: Jack Shofers TELEPHONE NO: 432-623-5155
(For space to State Use)
APPROVED BY: *[Signature]* OC FIELD REPRESENTATIVE / STAFF MANAGER
CONDITIONS OF APPROVAL, IF ANY: DATE: NOV 12 2003

Intermediate Casing

TOL 3802'
7.0", 24# csg. (Assumed 7.875" Hole) @ 3926'
250 sxs - TOC @ 3202' by CBL

2nd Recom.- Ran liner and perfed (9/09/57)

Added Perfs 4062'-92'

Original Comp OH 3926'-4221'

1st Recom.- Ran liner and perfed (9/09/57)

Perfs 4102'-18'

and 4134'-43'

and 4157'-72'

Production Liner

5.0", 11.6# csg. (Assumed 5.625" Hole) @ 4221' w/ 100
TOC @ Calc. to Top of Lnr.

SOS Consulting, LLC

Drawn by: Ben Stone, 3/02/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.8

API 30-025-07649

330' FNL & 933.2' FWL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 12/03/1958

Convert to Inj.: 3/03/1986

TA Date: 11/24/1997

P&A Date: 8/09/2002

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3656'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot Cement
60'-0'

Surface Casing

8.625", 22.7# csg. (12.25" Hole) @ 322'
250 sxs Howco - Circulated to Surface

Spot Cement 322'
400'-275'

<P&A SUBSEQUENT SUNDRY>

| | | | |
|---|--------------------------|----------------------------|-------------------------------------|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | REMEDIAL WORK | ☐ |
| PLUG AND ABANDON | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | COMMENCE DRILLING OPS | ☐ |
| CHANGE PLANS | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| PULL OR ALTER CASING | ☐ | PLUG & ABANDONMENT | ☒ |
| OTHER: | ☐ | OTHER: | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)
SEE 801.E 1483

Notify the NMOC 30 hr. before job. (393-6161)

Well is a TA'd well. CIBP set @4010'.
Spot 35 sxs csg on CIBP @4010' TOC @3975'.
Circ Mud Gel from 3975' to 2650'.
Spot csg from 2650' to 2550'. Bot of Ashy @2600'.
Circ Mud Gel from 2550' to 1600'.
Spot csg from 1600' to 1550'. Top of Ashy @1600'.
Circ Mud Gel from 1550' to 400'.
Spot csg from 400' to 275'. Bot of 8-5/8" csg @322'.
Circ Mud Gel from 275' to 60'.
Spot csg from 60' to surface.
Install dry hole marker. SHU 008, UL - D, 330 FNL, 933 FWL, Sec - 6, T-19S, R-38E 8-9-02

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

| | | | | | |
|-------------------------------|-----------------------|--------------------|----------------|------|------------|
| SIGNATURE | <i>Robert Galt</i> | TITLE | SE. ENGR. TECH | DATE | 08/09/2002 |
| TYPE OR PRINT NAME | Robert Galt | TITLE APPROVAL NO. | 305/207-3209 | | |
| APPROVED BY | <i>Johnny Salinas</i> | TITLE | GROUP MANAGER | DATE | 08/09/2002 |
| CONDITIONS OF APPROVAL IF ANY | | | | | |

GW

Spot Cement 1650'-1550'

Plugging Mud
between cmt. plugs

Spot Cement 2650'-2550'

Spot 35 sxs @ 4010'
Tagged @ 3975'

CIBP @ 4010'
Set for 1997 TA Status

Production Casing

5.5", 14.0# csg. @ (7.875" Hole) 4272'
600 sxs Howco - Calculated TOC @ 888'

Formation / Injection Fluids

Perfs 4154'-91'
and 4205'-20'

1st Recomp - Clean out to 4260'
Added Perfs 4191'-4205'
and 4220'-45' - Convert to Injection

4272'

TD @ 4272'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/05/2012

Drawn by: Ben Stone, 3/08/2012

PLUGGED WELL SCHEMATIC

Fowler 'B' Well No.1

API 30-025-28197

2310' FSL & 2317' FWL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/07/1983

P&A Date: 4/24/2008

Well plugged by:
State of New Mexico

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

P&A Marker

G.L. 3622'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

363'

Perf @ 410' 25 sxs

Spot 60 sxs
410'-0'

Spot 25 sxs
1700'-1517'

Spot 25 sxs
2830'-2647'

P&A CIBP @ 4060' w/ 35' Cmt

Formation / Injection Fluids

4303'

TD @ 4305'

Surface Casing

8.625", 24.0# csg. (11.0" Hole) @ 363'
200 sxs Cls 'C' - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|---|-----------------------|--|
| PERFORM REMEDIAL WORK | ☐ PLUG AND ABANDON | REMEDIAL WORK | ☐ ALTERING CASINO |
| TEMPORARILY ABANDON | ☐ CHANGE PLANS | COMMENCE DRILLING OPS | ☐ P AND A |
| PULL OR ALTER CASING | ☐ MULTIPLE COMPL | CASING/CEMENT JOB | ☐ |
| OTHER | ☐ | OTHER | ☐ |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1100. For Multiple Completions: Attach wellbore diagram of proposed completion or completions.

MAYO MARRS CASING PULLING INC.
BOX 863
KERNIT, TEXAS 79745

NM0002

Lease: FOWLER B 14882 P 1
Project: P & A

4/24/2008 SET CIBP @ 4060' DUMPING 35' OF CEMENT ON TOP

4/25/2008 SPOT 25 SACKS @ 2830'
SPOT 25 SACKS @ 1700'
PERF @ 410' AND SPOT 60 SACKS @ 460' TO SURFACE

PUMPED PLUGGING MUD BETWEEN ALL PLUGS
INSTALLED DRY HOLE MARKER

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that my job or information has been used in accordance with NM0002 guidelines, a signed permit, or an approved alternative O&G-approved plan.

SIGNATURE: *[Signature]* TITLE: AGENT DATE: 3-20-09

Type or print name: Ben Stone, Lisa Grier E-mail address: Telephone No.

APPROVED BY: *[Signature]* TITLE: DISTRICT 1 SUPERVISOR DATE: FEB 24 2012

Conditions of Approval (if any):

Production Casing

5.5", 15.5# J-55 csg. @ (7.785" Hole) 4303'
800 sxs Lite & 200 sxs Cls 'C'
Cls 'C' - Calculated to Surface - Not Reported

Perfs 4160'-4230'

Perfs 4241'-59'
(Original Completion)

SOS Consulting, LLC

Drawn by: Ben Stone, 3/06/2012

PLUGGED WELL SCHEMATIC South Hobbs (GSA) Well No.200

API 30-025-29410

2310' FNL & 2310' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 10/16/1985

TA Date: 6/10/1998

P&A Date: 11/17/2003

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Perf @ 300'
Circulate Cmt to Surface

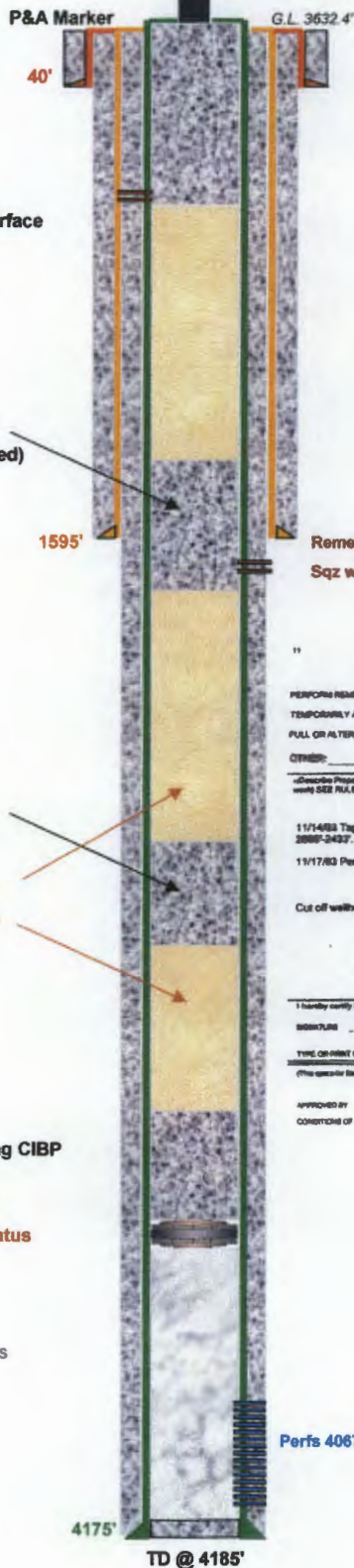
Spot 25 sxs
1650'-1450' (Tagged)

Spot 25 sxs
2680'-2433'

Plugging Mud
Between Plugs

Spot 25 sxs on Existing CIBP
4020'-3773'
CIBP @ 4020'
Set for 1998 TA Status

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0\" csg. (18\" Hole) @ 40'

2.5 yds. Redi-Mix & 13 sxs - Cement to Surface

Intermediate Casing

8.625\", 24# csg. (12.25\" Hole) @ 1595'

875 sxs Class 'C' - Circulated 185 sxs to Surface

Remedial - Sqz holes @ 1610' w/ CIRC @ 1516'
Sqz w/ 150 sxs (During original completion)

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLUGS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

(Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1153.

11/14/83 Tagged existing CIBP @ 4020'. Circ. well w/ plugging mud. Spot 25 sxs of C cement 4020'-3773'. Spot 25 sxs of cement 2680'-2433'. Spot 25 sxs of cement 1650'. Tagged TOC @ 1450'

11/17/83 Perf @ 300' Circ. cement down 5 1/2\" up annulus to surface.

Cut off wellhead & anchors 3\" BGL. Cap well. Installed dry hole marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert Gilbert TITLE SE Engr. Tech DATE 12-02-03
TYPE OF SIGNATURE Robert Gilbert TELEPHONE NO. 397-8206
(This signature must be in blue ink)
APPROVED BY Chris Williams O&G DISTRICT SUPERVISOR/GENERAL MANAGER
CONDITIONS OF APPROVAL, IF ANY



Production Casing

5.5\" 15.5# csg. (7.875\" Hole) @ 4175'

1150 sxs Class 'A' Self Stress I

Circulated to Surface

Perfs 4067' - 4170'

TD @ 4185'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/08/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.198**

API 30-025-29442

749' FNL & 1981' FWL, SEC. 6-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 11/29/1985

TA Date: 11/24/1998

P&A Date: 11/10/2003

Well plugged by:
Occidental Permian, LLC

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 40 sxs
 400'-0'

P&A Marker G.L. 3637.1'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0" csg. (20" Hole) @ 40'
 3 yds. Redi-Mix - Cement to Surface

Intermediate Casing

8.625", 24# K-55 csg. (12.25" Hole) @ 1584'
 1100 sxs Class 'C' - Circulated 212 sxs to Surface

Spot 25 sxs
 1634'-1320' (Tagged)

1584'

Spot 25 sxs
 2600'-2353'

Plugging Mud
 Between Plugs

Spot 25 sxs on Existing CIBP
 4100'-3853'
 CIBP @ 4105'
 Set for 1998 TA Status

Formation Fluids

Perfs 4155'- 4242'

4264'

TD @ 4264'

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|------------------|------------------------------|--|
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLANS | COMMENCE DRILLING OPERATIONS | PLUG AND ABANDONMENT ☒ |
| PULL OR ALTER CASING | | CASING TEST AND CEMENT JOB | |
| OTHER: | | OTHER: | |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11/08/03 Tagged existing CIBP @ 4105'

11/07/03 Cased well w/ plugging mud. Spot 25 sxs of cement 4100'-3853'. Spot 25 sxs @ 2600'-2353' (EL. ok'd no tag). Spot 35 sxs @ 1634'. Tagged @ 1320'.

11/10/03 Spot 40 sk surface plug 400'-surface.

Cut off wellhead and anchors 3' BGL. Cap well. Install dry hole marker.

Approved as to plugging of the Well Bore.
 Liability under bond is retained until
 surface restoration is completed.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: [Signature] TITLE: P&A Supervisor DATE: 11-6-03
 TYPE OR PRINT NAME: BOBBY GRAY TELEPHONE NO: 6877375
 APPROVED BY: [Signature] DATE: NOV 21 2003
 COMMENTS OR APPROVAL, IF ANY: _____

Production Casing

5.5" 15.5#, K-55 Csg (7.875" hole) @ 4264'
 950 sxs Class 'A' Self Stress I
 Circulated 80 sxs to Surface

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.202**

API 30-025-29443

1650' FSL & 1100' FEL, SEC. 6-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 11/13/1985

TA Date: 9/30/2003

P&A Date: 09/10/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 30 sxs
 215'-0'

P&A Marker G.L. 3617.3'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0" csg. (16" Hole) @ 40'

2.5 yds. Redi-Mix - Cement to Surface

Intermediate Casing

8.625", 24# K-55 csg. (12.25" Hole) @ 1662'

1075 sxs Class 'C' - Circulated 175 sxs to Surface

Spot 30 sxs
 1724'-1449' (Tagged)

1662'

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| | | | |
|--|--|---|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPNS. ☐ | PLUG AND ABANDONMENT ☒ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPLETION ☐ | CASING TEST AND CEMENT JOB ☐ | |
| OTHER: ☐ | | OTHER: ☐ | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Remove existing CIBP @ 4010'. Circ well w/ plugging mud. Spot 29 sxs of cement @ 1724'-1449' (Tagged) logging of well bore only. (Submit under bond in initiated pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found on OGD Web Page under Bureau: www.ogd.nm.gov.

9/10/04 Spot 38 sxs of cement @ 1724'. Tagged @ 1449'

Spot 38 sxs of cement 215'-surface.

Cut off wellhead & install 3" BGL. Cap well. Install dry hole marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any job or below-grade work has been done in accordance with NMOCB guidelines ☐ as a general permit ☐ or as a (subscribed) alternative OGD-approved plan ☐.

SIGNATURE: *Jack Sheldrum* TITLE: Agent, Log Team Lead DATE: 9/15/04 2/10/09

Type or print name: Jack Sheldrum E-mail address: jsheldrum@huyenergy.com Telephone No. 432-523-5155

APPROVED BY: *Ben Stone* DISTRICT 1 SUPERVISOR DATE: FEB 10 2009

Spot 25 sxs
 2710'-2463'

Plugging Mud
 Between Plugs

Spot 20 sxs on Existing CIBP

4010'-3813'

CIBP @ 4010'

Set for 2003 TA Status

Formation Fluids

Production Casing

5.5" 15.5#, K-55 csg. (7.875" Hole) @ 4166'

750 sxs Class 'A' Self Stress I

Circulated 73 sxs to Surface

Perfs 4062' - 4165'

4166'

TD @ 4174'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/07/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.199**

API 30-025-29458

1028' FNL & 2310' FEL, SEC. 6-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 10/28/1985

TA Date: 8/12/1998

P&A Date: 09/10/2004

Well plugged by:
Occidental Permian, LTC

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 40 sxs
 400'-0'

Spot 35 sxs
 1675'-1362' (Tagged)

Spot 25 sxs
 2680'-2420' (Tagged)

Plugging Mud
 Between Plugs

Spot 25 sxs on Existing CIBP
 3964'-3717'
 CIBP @ 3964'
 Set for 1998 TA Status

Formation Fluids

P&A Marker

G.L. 3630.2'

1625'

4137'

TD @ 4137'

Perts 4014' - 4116'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0" csg. (18" Hole) @ 40'
 2.5 yds. Redi-Mix - Cement to Surface

Intermediate Casing

8.625", 24# K-55 csg. (12.25" Hole) @ 1625'
 850 sxs Class 'C' - Circulated 25 sxs to Surface

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK
 TEMPORARILY ABANDON
 PULL OR ALTER CASING
 OTHER:

PLUG AND ABANDON
 CHANGE PLANS

REMEDIAL WORK
 COMMENCE DRILLING OPER.
 CASING TEST AND CEMENT JOB
 OTHER:

SUBSEQUENT REPORT OF:

ALTERING CASING
 PLUG AND ABANDONMENT X

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103

11/10/03 Tagged existing CIBP @ 3964' Circ. well with plugging mud. Spot 25 sxs of cement 3964'-3717'

11/11/03 Spot 25 sxs 2680'. Tagged @ 2420'. Spot 35 sxs 1675'. Tagged @ 1362'. Spot 40 sxs surface plug 400' surface.

Cut off wellhead and anchors 3' BGL. Cap well. Install dry hole marker.

Approved as to plugging of the Well Bore.
 Liability under bond is retained until
 surface restoration is completed.



I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE *Bogdan*

TITLE *PLA SUPERVISOR*

DATE *6-11-07*

TYPE OR PRINT NAME *Bogdan WEA*

TELEPHONE NO *682-7377*

(This space for State Use)

APPROVED BY *Larry Wink*

OC FIELD REPRESENTATIVE/STAFF MANAGER

DATE *NOV 21 2003*

CONDITIONS OF APPROVAL ANY

Production Casing

5.5" 15.5#, K-55 csg. (7.875" Hole) @ 4137'
 775 sxs Class 'A' Self Stress I
 Circulated 158 sxs to Surface

SOS Consulting, LLC

Drawn by: Ben Stone, 3/07/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.201

API 30-025-29459

2310' FNL & 1028' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/08/1985

TA Status: 7/15/1998

P&A Date: 7/13/2012

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

270' - 0'
Spot 35 sx
Sqz Perfs @ 60'
(Could not pump into)

Sqz Perfs @ 400'
Sqz w/ 35 sx

1746'-1223' (Tagged)
Spot 50 sx

2780'-2490' (Tagged)
Spot 30 sx

Circ. Hole w/
Mud Ladened Fluid

CIBP @ 3951'
Cap w/ 25 sx
Calc'd @ 3705'

Formation Fluids

P&A Marker

G.L. 3628.5'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0", 36.71# Csg. (18.0" Hole) @ 40'
2.75 yds. Redimix

Intermediate Casing

8.625", 24# K-55 Csg (12.25" Hole) @ 1591'
875 sx Cls 'C' w/ 1% - Circ. 17 sx to Surface

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
ULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
UNKNOWN COMBING ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☒
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1183 For Multiple Completions. Attach wellbore diagram of proposed completion or recompletion.

7/12/12 - Tag CIBP @ 3,951'. Close hole w/ 100% Cap BP w/ 25sx cast - CTOC @ 3,785'
Spot 25sx cast @ 3,785' - CTOC @ 3,484' - Tag @ 3,484'
Spot 50sx cast @ 3,484' - CTOC @ 3,232' - Tag @ 3,232'

7/13/12 - Perf @ 400' - no circ - Sqz 35sx cast & dip to 275' - Tag @ 275'
Perf @ 60' - could not Sqz - Pump 35sx cast @ 270' to surface
Top off well. RUNNO. Cut W&M & anchors. Install P&A marker

Spud Date:

Rig Release Date:

herby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Stephens

TITLE: Regulatory Compliance Analyst DATE: 8/3/12

Type or print name: Mark Stephens

E-mail address: Mark_Stephens@ocp.com

PHONE: (720) 366-5158

APPROVED BY: Mark Stephens

TITLE: Compliance Officer DATE: 08-07-2012

Conditions of Approval (if any):

AUG 08 2012

Production / Inter. Casing

5.5", 15.5# csg. (7.875" Hole) @ 4108'
850 sx Cls 'A' - Circ. 98 sx to Surface

Perfs 3981'-4088" (4 jspl)

Acidize w/ 100 gals. 15% per 4' perf depth settings

Frac w/ 6000 gals. HPG Gel. 300 gals. Diesel w/ 9625# 20/40 Ottawa Sand

4108'

TD @4108'



Drawn by: Ben Stone, 2/07/2013

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.206

API 30-025-29519

1640' FNL & 280' FEL, SEC. 6-T19S-R38E
LEA COUNTY, NEW MEXICO

Drilled as Injector

Spud Date: 11/25/1985

TA Status: 12/12/2007

P&A Date: 8/15/2012

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 132' - 0'
Spot 25 sx

Sqz Perfs @ 300'
(Could not est. Circ.)
Spot 30 sx - 360'-132' (Tagged)

1712'-1190' (Tagged)
Spot 50 sx

2975'-2713' (Tagged)
Spot 30 sx

Circ. Hole w/
Mud Ladened Fluid

CIBP @ 4090'
Cap w/ 25 sx
Calc'd @ 3754'

Formation Fluids

P&A Marker

G.L. 3625.6'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

14.0", 36.71# Csg. (20.0" Hole) @ 40'
4.75 yds. Redimix

Intermediate Casing

8.625", 24# K-55 Csg (12.25" Hole) @ 1598'
975 sx Cls 'C' w/ 1% - Circ. 17 sx to Surface

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| | | |
|---|---|---|
| <p>Approved for plugging of well bore only
C-100 Specifically for Subsequent Plugging Report of Well
Under Form
See event status run value
TALL OR ALTER
DOWNHOLE COMMUN.</p> | <p>ATTENTION TO:</p> <p>REMEDIAL WORK ☐</p> <p>COMMENCE DRILLING OPHS ☐</p> <p>CASING/CEMENT JOB ☐</p> <p>OTHER ☐</p> | <p>SUBSEQUENT REPORT OF:</p> <p>ALTERING CASING ☐</p> <p>P AND A ☒</p> |
|---|---|---|

13. Describe proposed or completed operations at starting any proposed work. SEE BLUE 1110: or completion.

Subject well plugged and abandoned as follows -

8/9/12 - 8/15/12:

RI x RI pulling unit. PDCM with tubing x packer. Set 5-1/2" CIBP at 4090'. Circulate well with HLF x pressure test to 500 psi. Spot 35 sx. Cl. C from 4090' - 3754'. Spot 30 sx. Cl. C from 2975' - 2676'. TIR x tag at 2713'. Spot 50 sx. Cl. C from 2713' - 1218'. RI HLF x tag at 1190'. Perforate at 300'. Get pump rate of 1.8PM @ 3000 psi with no circulation to surface. Notify Mark Whitaker with the MWDC (received approval to spot cement x tag). Spot 30 sx. Cl. C from 360' - 64'. Tag cement at 132'. Spot 25 sx. Cl. C from 132' to surface. TIR with pipe and equipment. RD x RD x clean location.

Spud Date: 11/25/1985 Big Release Date: 8/15/12

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Stephens TITLE: Regulatory Compliance Analyst DATE: 9/24/12

Type or print name: Mark Stephens E-mail address: Mark.Stephens@oxy.com PHONE: (713) 366-5159

For State Use Only: [Signature] TITLE: Director DATE: 9-26-2012

Conditions of Approval (if any):

SEP 28 2012

Production / Inter. Casing

5.5", 15.5# csg. (7.875" Hole) @ 4300'
850 sx Cls 'A' - Circ. 98 sx to Surface

Perfs 4170'-74'; 4190'-4212'; 4218'-22' and 4225'-30' (4 jsfp)

Acidize w/ 1000 gals. 15% NE HCl

4300'

TD @4300'



Drawn by: Ben Stone, 2/07/2013

**SECTIONS
8 & 9**

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.80**

API 30-025-07651

2310' FSL & 330' FEL, SEC. 8-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 5/09/1959

TA Date: 4/09/1991

Well Apparently TA'd (Shut-in) since 1963

P&A Date: 6/23/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 15 sxs
 100'-0'

Shot Sqz holes @ 384'
 Fluid Circulated / Not Cement
 Sqz w/ 85 sxs
 No Circulation - Tagged @ 100'

Shot Sqz holes @ 1600'
 Sqz w/ 35 sxs
 Tagged @ 1465'

Plugging Mud
 Between Plugs

Spot 25 sxs
 2730'-2366'
 Tagged @ 2295'

Shot Sqz holes @ 2680'
 Could Not Pump Into Perfs

Spot 25 sxs on Existing CIBP
 4095'-3731'
 CIBP @ 4095'
 Set for 1991 TA Status

Formation Fluids

P&A Marker

K.B. 3602'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

7.0", 17 & 20# csg. (9.625" Hole) @ 334'
 250 sxs Halliburton - Cement to Surface

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | ALTERED CASING | ☒ |
| | | COMMENCE DRILLING OPS | ☐ |
| | | CASING TEST AND CEMENT JOB | ☐ |

6-19-05 Tag Existing CIBP @ 4095': pump Mud laden Fluid. Spot 25 in Class C 4095-3731'.
 6-19-05 Perforate 4 SPF @ 2680'. Not able to pump in. Spot 25 in Class C 2730-2366'. WOC Tag Plug @ 2295'. Perforate 4 SPF @ 1600'.
 6-30-05 Establish injection rate with packer set @ 1188'. Squeeze 35 in Class C. WOC. Tag plug @ 1465'. Perforate 4 SPF @ 384'.
 Break circulation out surface. Pump 90 in Class C no cement to surface. Displace 2 bbls. WOC.
 6-30-05 Tag plug @ 100'. Pump 15 in Class C 8 1/2" casing 100'-surface.
 Cut off Cap & install dry hole marker.

Approved as to plugging of the Well Bore.
 Liability under bond is retained until
 surface restoration is completed.

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

SIGNATURE: Robert J. Gilbert TITLE: SA Exp. Tech DATE: 7-4-03

TYPE OF WORK: Plugging TELEPHONE NO: 397-8206

APPROVED BY: Henry W. White TITLE: OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE: AUG 07 2003

CONDITIONS OF APPROVAL, IF ANY:

Production Casing

4.5" 9.5#, csg. (6.25" Hole) @ 4179'
 250 sxs Halliburton - TOC Rpt'd @ 2621'

Perfs 4132'- 4170'

4179'

TD @ 4180'



PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.118

API 30-025-07654

330' FNL & 990' FWL, SEC. 8-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 12/26/1953

P&A Date: 11/25/1985

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @300'
Sqz'd w/ 125 sxs
Circulate to Surface

Spot 25 sxs
1650'-1460'

Spot 25 sxs
2954'-2764'

Plugging Mud
between plugs

CICR @ 3979'
Sqz'd w/ 150 sxs

P&A Marker

K.B. 3612'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625" 32#, csg. (11" Hole) @ 312'

150 sx Howco - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|-----------------------|-----------------|-----------------------------|----------------------|
| PROPOSED GENERAL WORK | PLUG NEW CASING | REPAIRS, WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLUG | RECOMMEND DRILLING STOP | PLUG AND ABANDONMENT |
| WELL TO BE ALTERED | OTHER | CAUTION TEST AND CEMENT JOB | OTHER |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work) 11/25/85

MOSBY 11-25-85. 25' H of cement retained and set at 3979'. Spaced with 150SX class C cement. Displaced hole referred. Plugged tubing to 2954' and spotted 25SX class C cement. Plugged tubing to 1650' and spotted 25SX class C cement. Perforated 300-300'. Pumped down casing and squeezed 125SX cement to surface. Erect P&A marker. MOSBY 11-29-85.

0-25 0-100 0-200 0-300 0-400 0-500 0-600 0-700 0-800 0-900 0-1000 0-1100 0-1200 0-1300 0-1400 0-1500 0-1600 0-1700 0-1800 0-1900 0-2000 0-2100 0-2200 0-2300 0-2400 0-2500 0-2600 0-2700 0-2800 0-2900 0-3000 0-3100 0-3200 0-3300 0-3400 0-3500 0-3600 0-3700 0-3800 0-3900 0-4000 0-4100 0-4200 0-4300 0-4400 0-4500 0-4600 0-4700 0-4800 0-4900 0-5000 0-5100 0-5200 0-5300 0-5400 0-5500 0-5600 0-5700 0-5800 0-5900 0-6000 0-6100 0-6200 0-6300 0-6400 0-6500 0-6600 0-6700 0-6800 0-6900 0-7000 0-7100 0-7200 0-7300 0-7400 0-7500 0-7600 0-7700 0-7800 0-7900 0-8000 0-8100 0-8200 0-8300 0-8400 0-8500 0-8600 0-8700 0-8800 0-8900 0-9000 0-9100 0-9200 0-9300 0-9400 0-9500 0-9600 0-9700 0-9800 0-9900 0-10000 0-10100 0-10200 0-10300 0-10400 0-10500 0-10600 0-10700 0-10800 0-10900 0-11000 0-11100 0-11200 0-11300 0-11400 0-11500 0-11600 0-11700 0-11800 0-11900 0-12000 0-12100 0-12200 0-12300 0-12400 0-12500 0-12600 0-12700 0-12800 0-12900 0-13000 0-13100 0-13200 0-13300 0-13400 0-13500 0-13600 0-13700 0-13800 0-13900 0-14000 0-14100 0-14200 0-14300 0-14400 0-14500 0-14600 0-14700 0-14800 0-14900 0-15000 0-15100 0-15200 0-15300 0-15400 0-15500 0-15600 0-15700 0-15800 0-15900 0-16000 0-16100 0-16200 0-16300 0-16400 0-16500 0-16600 0-16700 0-16800 0-16900 0-17000 0-17100 0-17200 0-17300 0-17400 0-17500 0-17600 0-17700 0-17800 0-17900 0-18000 0-18100 0-18200 0-18300 0-18400 0-18500 0-18600 0-18700 0-18800 0-18900 0-19000 0-19100 0-19200 0-19300 0-19400 0-19500 0-19600 0-19700 0-19800 0-19900 0-20000 0-20100 0-20200 0-20300 0-20400 0-20500 0-20600 0-20700 0-20800 0-20900 0-21000 0-21100 0-21200 0-21300 0-21400 0-21500 0-21600 0-21700 0-21800 0-21900 0-22000 0-22100 0-22200 0-22300 0-22400 0-22500 0-22600 0-22700 0-22800 0-22900 0-23000 0-23100 0-23200 0-23300 0-23400 0-23500 0-23600 0-23700 0-23800 0-23900 0-24000 0-24100 0-24200 0-24300 0-24400 0-24500 0-24600 0-24700 0-24800 0-24900 0-25000 0-25100 0-25200 0-25300 0-25400 0-25500 0-25600 0-25700 0-25800 0-25900 0-26000 0-26100 0-26200 0-26300 0-26400 0-26500 0-26600 0-26700 0-26800 0-26900 0-27000 0-27100 0-27200 0-27300 0-27400 0-27500 0-27600 0-27700 0-27800 0-27900 0-28000 0-28100 0-28200 0-28300 0-28400 0-28500 0-28600 0-28700 0-28800 0-28900 0-29000 0-29100 0-29200 0-29300 0-29400 0-29500 0-29600 0-29700 0-29800 0-29900 0-30000 0-30100 0-30200 0-30300 0-30400 0-30500 0-30600 0-30700 0-30800 0-30900 0-31000 0-31100 0-31200 0-31300 0-31400 0-31500 0-31600 0-31700 0-31800 0-31900 0-32000 0-32100 0-32200 0-32300 0-32400 0-32500 0-32600 0-32700 0-32800 0-32900 0-33000 0-33100 0-33200 0-33300 0-33400 0-33500 0-33600 0-33700 0-33800 0-33900 0-34000 0-34100 0-34200 0-34300 0-34400 0-34500 0-34600 0-34700 0-34800 0-34900 0-35000 0-35100 0-35200 0-35300 0-35400 0-35500 0-35600 0-35700 0-35800 0-35900 0-36000 0-36100 0-36200 0-36300 0-36400 0-36500 0-36600 0-36700 0-36800 0-36900 0-37000 0-37100 0-37200 0-37300 0-37400 0-37500 0-37600 0-37700 0-37800 0-37900 0-38000 0-38100 0-38200 0-38300 0-38400 0-38500 0-38600 0-38700 0-38800 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0-51400 0-51500 0-51600 0-51700 0-51800 0-51900 0-52000 0-52100 0-52200 0-52300 0-52400 0-52500 0-52600 0-52700 0-52800 0-52900 0-53000 0-53100 0-53200 0-53300 0-53400 0-53500 0-53600 0-53700 0-53800 0-53900 0-54000 0-54100 0-54200 0-54300 0-54400 0-54500 0-54600 0-54700 0-54800 0-54900 0-55000 0-55100 0-55200 0-55300 0-55400 0-55500 0-55600 0-55700 0-55800 0-55900 0-56000 0-56100 0-56200 0-56300 0-56400 0-56500 0-56600 0-56700 0-56800 0-56900 0-57000 0-57100 0-57200 0-57300 0-57400 0-57500 0-57600 0-57700 0-57800 0-57900 0-58000 0-58100 0-58200 0-58300 0-58400 0-58500 0-58600 0-58700 0-58800 0-58900 0-59000 0-59100 0-59200 0-59300 0-59400 0-59500 0-59600 0-59700 0-59800 0-59900 0-60000 0-60100 0-60200 0-60300 0-60400 0-60500 0-60600 0-60700 0-60800 0-60900 0-61000 0-61100 0-61200 0-61300 0-61400 0-61500 0-61600 0-61700 0-61800 0-61900 0-62000 0-62100 0-62200 0-62300 0-62400 0-62500 0-62600 0-62700 0-62800 0-62900 0-63000 0-63100 0-63200 0-63300 0-63400 0-63500 0-63600 0-63700 0-63800 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0-76400 0-76500 0-76600 0-76700 0-76800 0-76900 0-77000 0-77100 0-77200 0-77300 0-77400 0-77500 0-77600 0-77700 0-77800 0-77900 0-78000 0-78100 0-78200 0-78300 0-78400 0-78500 0-78600 0-78700 0-78800 0-78900 0-79000 0-79100 0-79200 0-79300 0-79400 0-79500 0-79600 0-79700 0-79800 0-79900 0-80000 0-80100 0-80200 0-80300 0-80400 0-80500 0-80600 0-80700 0-80800 0-80900 0-81000 0-81100 0-81200 0-81300 0-81400 0-81500 0-81600 0-81700 0-81800 0-81900 0-82000 0-82100 0-82200 0-82300 0-82400 0-82500 0-82600 0-82700 0-82800 0-82900 0-83000 0-83100 0-83200 0-83300 0-83400 0-83500 0-83600 0-83700 0-83800 0-83900 0-84000 0-84100 0-84200 0-84300 0-84400 0-84500 0-84600 0-84700 0-84800 0-84900 0-85000 0-85100 0-85200 0-85300 0-85400 0-85500 0-85600 0-85700 0-85800 0-85900 0-86000 0-86100 0-86200 0-86300 0-86400 0-86500 0-86600 0-86700 0-86800 0-86900 0-87000 0-87100 0-87200 0-87300 0-87400 0-87500 0-87600 0-87700 0-87800 0-87900 0-88000 0-88100 0-88200 0-88300 0-88400 0-88500 0-88600 0-88700 0-88800 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1-01400 1-01500 1-01600 1-01700 1-01800 1-01900 1-02000 1-02100 1-02200 1-02300 1-02400 1-02500 1-02600 1-02700 1-02800 1-02900 1-03000 1-03100 1-03200 1-03300 1-03400 1-03500 1-03600 1-03700 1-03800 1-03900 1-04000 1-04100 1-04200 1-04300 1-04400 1-04500 1-04600 1-04700 1-04800 1-04900 1-05000 1-05100 1-05200 1-05300 1-05400 1-05500 1-05600 1-05700 1-05800 1-05900 1-06000 1-06100 1-06200 1-06300 1-06400 1-06500 1-06600 1-06700 1-06800 1-06900 1-07000 1-07100 1-07200 1-07300 1-07400 1-07500 1-07600 1-07700 1-07800 1-07900 1-08000 1-08100 1-08200 1-08300 1-08400 1-08500 1-08600 1-08700 1-08800 1-08900 1-09000 1-09100 1-09200 1-09300 1-09400 1-09500 1-09600 1-09700 1-09800 1-09900 1-10000 1-10100 1-10200 1-10300 1-10400 1-10500 1-10600 1-10700 1-10800 1-10900 1-11000 1-11100 1-11200 1-11300 1-11400 1-11500 1-11600 1-11700 1-11800 1-11900 1-12000 1-12100 1-12200 1-12300 1-12400 1-12500 1-12600 1-12700 1-12800 1-12900 1-13000 1-13100 1-13200 1-13300 1-13400 1-13500 1-13600 1-13700 1-13800 1-13900 1-14000 1-14100 1-14200 1-14300 1-14400 1-14500 1-14600 1-14700 1-14800 1-14900 1-15000 1-15100 1-15200 1-15300 1-15400 1-15500 1-15600 1-15700 1-15800 1-15900 1-16000 1-16100 1-16200 1-16300 1-16400 1-16500 1-16600 1-16700 1-16800 1-16900 1-17000 1-17100 1-17200 1-17300 1-17400 1-17500 1-17600 1-17700 1-17800 1-17900 1-18000 1-18100 1-18200 1-18300 1-18400 1-18500 1-18600 1-18700 1-18800 1-18900 1-19000 1-19100 1-19200 1-19300 1-19400 1-19500 1-19600 1-19700 1-19800 1-19900 2-00000 2-00100 2-00200 2-00300 2-00400 2-00500 2-00600 2-00700 2-00800 2-00900 2-01000 2-01100 2-01200 2-01300 2-01400 2-01500 2-01600 2-01700 2-01800 2-01900 2-02000 2-02100 2-02200 2-02300 2-02400 2-02500 2-02600 2-02700 2-02800 2-02900 2-03000 2-03100 2-03200 2-03300 2-03400 2-03500 2-03600 2-03700 2-03800 2-03900 2-04000 2-04100 2-04200 2-04300 2-04400 2-04500 2-04600 2-04700 2-04800 2-04900 2-05000 2-05100 2-05200 2-05300 2-05400 2-05500 2-05600 2-05700 2-05800 2-05900 2-06000 2-06100 2-06200 2-06300 2-06400 2-06500 2-06600 2-06700 2-06800 2-06900 2-07000 2-07100 2-07200 2-07300 2-07400 2-07500 2-07600 2-07700 2-07800 2-07900 2-08000 2-08100 2-08200 2-08300 2-08400 2-08500 2-08600 2-08700 2-08800 2-08900 2-09000 2-09100 2-09200 2-09300 2-09400 2-09500 2-09600 2-09700 2-09800 2-09900 3-00000 3-00100 3-00200 3-00300 3-00400 3-00500 3-00600 3-00700 3-00800 3-00900 3-01000 3-01100 3-01200 3-01300 3-01400 3-01500 3-01600 3-01700 3-01800 3-01900 3-02000 3-02100 3-02200 3-02300 3-02400 3-02500 3-02600 3-02700 3-02800 3-02900 3-03000 3-03100 3-03200 3-03300 3-03400 3-03500 3-03600 3-03700 3-03800 3-03900 3-04000 3-04100 3-04200 3-04300 3-04400 3-04500 3-04600 3-04700 3-04800 3-04900 3-05000 3-05100 3-05200 3-05300 3-054

PLUGGED WELL SCHEMATIC **H.T. Orcutt (NCT-G) Well No.1**

API 30-025-07655

1650' FNL & 2310' FWL, SEC. 8-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 5/26/1959
 P&A Date: 10/14/1960

Well plugged by:
 Gulf Oil Corporation

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot Cement
 20'-0'

P&A Marker

K.B. 3617'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24# J-55 csg. (12.25" Hole) @ 326'
 310 sxs Halliburton - Cement to Surface

326'

<P&A SUBSEQUENT SUNDRY>

Loaded Hole w/
 Heavy Plugging Mud

Spot Cement
 4195'-4100'

4175'

TD @ 4195'

| NEW MEXICO OIL CONSERVATION COMMISSION | | | | | | | | | |
|---|--------------|---|--|--|---|--------------------------|--|--|--|
| MISCELLANEOUS REPORTS ON WELLS | | | | | | | | | |
| (Submit to appropriate District Office as per Commission Rule 1706) | | | | | | | | | |
| Name of Company
Gulf Oil Corporation | | | | | Address
Box 2167, Hobbs, New Mexico | | | | |
| Lease
H. T. Orcutt (NCT-G) | | Well No.
2 | Unit Letter
7 | Section
8 | Township
19-S | Range
38-E | | | |
| Date Well Drilled
Oct. 26-28, 1960 | | Pool
Hobbs | THIS IS A REPORT OF: (Check appropriate block) | | County
Lea | | | | |
| ☐ Beginning Drilling Operations | | ☐ Casing Test and Cement Job | | ☐ Other (Specify) | | | | | |
| ☒ Plugging | | ☐ Remedial Work | | | | | | | |
| Detailed account of work done, nature and quantity of materials used, and results obtained. | | | | | | | | | |
| <p>Plugged and abandoned as follows:</p> <p>1. Pulled rods, pump & tubing.</p> <p>2. Borehole taken open ended. Loaded hole with heavy mud. Spotted cement from 4195' (TD) to 4100'. Tested with 2000' for 30 minutes. No drop. Spotted 20' cement plug in top of pipe.</p> <p>3. Set 1/2" marker extending 1' above ground.</p> | | | | | | | | | |
| Measured by | | Position | | Company | | | | | |
| FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY | | | | | | | | | |
| ORIGINAL WELL DATA | | | | | | | | | |
| Oil Elev. | TD | PPT | | Producing Interval | | Completion Date | | | |
| Tubing Diameter | | Tubing Depth | | Casing Diameter | | Casing Depth | | | |
| Perforated Interval(s) | | Producing Formation(s) | | | | | | | |
| Open Hole Interval | | | | | | | | | |
| RESULTS OF WORKOVER | | | | | | | | | |
| Test | Date of Test | Oil Production BPD | Gas Production MCFPD | Water Production BPD | GOR Cubic feet/Bbl | Gas Well Potential MCFPD | | | |
| Before Workover | | | | | | | | | |
| After Workover | | | | | | | | | |
| OIL CONSERVATION COMMISSION | | | | | I hereby certify that the information given above is true and complete to the best of my knowledge. | | | | |
| Approved by <i>Jessie A. Chomicki</i> | | | | | Name <i>J. A. Chomicki</i> | | | | |
| Title | | | | | Position <i>Area Production Manager</i> | | | | |
| Date | | | | | Company <i>Gulf Oil Corporation</i> | | | | |

Production Casing

4.5", 9.5# J-55 csg. (6.75" Hole) @ 4175'
 950 sxs Halliburton -
 2 Stage w/ DV @ 1518' - Circulated 15 sxs to Surface

Perfs 4152'-54'; 60'-62'

Openhole 4175'- 4195'

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.70

API 30-025-07656

1650' FNL & 990' FEL, SEC. 8-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/09/1958

TA Date: 8/29/1991

P&A Date: 10/18/2002

Well plugged by:
State of New Mexico

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

P&A Marker

G.L. 3611'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# csg. (11.875" Hole) @ 323'
225 sxs - Circulated to Surface

Perf @ 350'
Sqz 25 sxs to Surface

Spot Cement
1725'-1475'

Spot Cement
2725'-2475'

Cap CIBP w/ 20' Sand
Spot 35 sxs Cmt
3970'-3935' (Tagged)

CIBP @ 3985'
Set for 1991 TA Status

Formation / Injection Fluids

4125'

TD @ 4125'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | ALTERING CASING | ☐ |
| | | COMMENCE DRILLING OPS | ☐ |
| | | PLUG & ABANDONMENT | ☒ |
| | | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates including estimated date of carrying out proposed work)
SEE RI 1.8.1.103

RLPU: CIBP set @ 3985'. Capped w/sand to PBTD @ 3970'.
Spot 35' cmt from 3970' to 3935'. Tag TOC.
Circ Mud Cut from 3935' to 700'.
Spot cmt from 2725' to 2475'. Bot of Anky @ 2600'. ** Top of cmt on 5.5" prod csg @ 3330'.
Spot cmt from 1725' to 1475'. Top of Anky @ 1600'.
Perforate csg below @ 350'. Circ cmt to surface.
Spot cmt from 350' to Surf. Bot of 8-5/8" csg @ 337'.

Cut off wellhead and install dry hole marker.
RDPL: Clean Location.

Rig Up Date: 10/16/2002
Rig Down Date: 10/18/2002

Approved as to plugging of the Well Bore.
Liability with fluid is retained until
surface restoration is completed

I hereby certify that the information given is true and complete to the best of my knowledge and belief.

| | | |
|---|-------------------|----------------------------|
| SIGNATURE | DATE | 10/08/2002 |
| TYPE OR PRINT NAME | Robert Gilbert | TELEPHONE NO. 505/977-8206 |
| (This space for Sign-off) | Lawrence W. Wanda | |
| APPROVED BY | TITLE | DATE 10/29/2003 |
| CONDITIONS OF REPRESENTATIVE IN/STAFF MANAGER | | |

GWW

Production Casing

5.5", 15.5# csg. @ (7.875" Hole) 4125'
125 sxs TOC Calculated @ 3331'

Recomp - Add Perfs 4033'-65' & Acidize

Perfs 4065'-89'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/08/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.119

API 30-025-07653

330' FNL & 2310' FWL, SEC. 8-T19S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Occidental Permian, LTD

Spud Date: 9/06/1943
Convert to Inj.: 3/21/86
TA Status Date: 12/09/1997
P&A Date: 7/13/2012

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

G.L. 3612'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: **Sqz Perfs 60'**
Sqz w/ 35 sx to Surface

Sqz Perfs 401'
Sqz w/ 125 sx - TOC @ 270'

Sqz Perfs 1750'
Sqz w/ 50 sx - TOC @ 1450'

3054'-2863'
Spot 30 sx

Circulate Hole w/
Mud Ladened Fluid

CIBP @ 3911'
Cap w/ 35 sx
Tag @ 3554'

Formation Fluids

4010'

TD @ 4110'

Openhole 4010'-4110'

Surface Casing
8.625", 28# csg. (11.5" Hole) @ 281'
250 sx - Circulated

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
WELL OR ALTER CASING ☐ MULTIPLE COMPL. ☐
DOWNHOLE COMBING ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☒
CASING CEMENT JOB ☐

OTHER ☐

OTHER ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7/10/12-----Set CIBP @ 3,911' - Circ hole w/ MLF. Cap w/ 35sx cmt - CTOC @ 3,554'
Spot 38sx cmt @ 3,054' - Tag @ 2,863'

7/11/12-----Perf @ 1,750' - Sqz 50sx cmt - Tag @ 1,450'

7/12/12-----Perf @ 400' - Sqz 100sx cmt - no Circ - Tag @ 401'. OCD advise to Sqz add't 25sx

7/13/12-----Re-Sqz 25sx cmt - Tag @ 270'

Perf @ 60' - Circ 35sx cmt to surface.
Top off well. RDNO. Cut WH & anchors. Install P&A marker.

Approved for plugging of well bore cells.
Lodging under hand or technical permitting authority
of C-103 (Subsequent Report of Well Plugging)
which may be found on OGD Web Page under
Perms. www.ogd.state.nm.us

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Stephens TITLE: Regulatory Compliance Analyst DATE: 8/3/12

Type or print name: Mark Stephens E-mail address: Mark_Stephens@ocp.com PHONE: (731) 366-5159

APPROVED BY: Mark Stephens TITLE: Compliance Officer DATE: 08-06-2012

Conditions of Approval (if any):

Production / Inter. Casing

5.5", 11.5# csg. (7.875" Hole) @ 3965'
350sx - TOC @ 2852' by CBL 7/1984

Recompletion: Convert to Injection; Pull rods, pump & tubing
Run Injection PKR on 2.375 IC Tbg @ 3911'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/05/2013

PLUGGED WELL SCHEMATIC

S.E. Cone - Will Terry Well No.1

API 30-025-07657

990' FSL & 1650' FEL, SEC. 9-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 4/08/1948

P&A Date: 5/18/1948

Replug Date: 4/09/1984

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

Note: Well was plugged by S.E. Cone (A)
in May, 1948 and replugged by Amoco (B).
Results of both jobs are illustrated here.

PLUGS:

B. Spot 20 sxs Cement
36'-0'

B. Spot 900 sxs Cement
1138'-36' (Tagged)

B. D/O & C/O to 1138'

A. Spot 20 sxs Cement
1850' - ~1752'

A. Spot 50 sxs Cement
2640' - ~2270'

A. Loaded Hole w/ Heavy Mud

A. Spot 20 sxs Cmt @ 4065'

P&A Marker

G.L. 3611'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 32.0# csg. (9.75" Hole) @ 320'
175 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY> (A. Original - S.E. Cone)

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO

Following is a report on the work done and the results obtained under the heading noted above at the _____
_____ Well No. 1 in the _____
County of _____ State of _____
The date of this work was on or about _____
The nature of the work was _____
and approval of the proposed plan was _____ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Completed 20 sxs at 4065' - filled hole with heavy mud and cemented at 2640' with 50 sxs then filled with mud and set 20 sxs plug at 1850' filled with mud and cement well marker in top of 8 5/8" surface pipe which is left in well.

Witnessed by _____ Name _____ Hobbs Pipe & Supply Company, Hobbs, New Mexico

Subscribed and sworn before me this _____ day of _____ 1948. I hereby swear or affirm that the information given above is true and correct.

My commission expires _____ Address _____

Notar Public _____
PROVED
JUN 14 1948

<P&A SUBSEQUENT SUNDRY> (B. Replugging - Amoco)

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | | |
|--|-----------------|---------------------------------|-----------------------|
| NOTICE OF INTENTION TO: | | | |
| RESTRICTED CIRCULATION, STATE | PLUG AND CEMENT | RESTRICTED CIRCULATION, FEDERAL | ALTERNATE CIRCULATION |
| RESTRICTED CIRCULATION, FEDERAL | CEMENT PLUG | CEMENT TEST AND CEMENT JOBS | PLUG AND ABANDONMENT |
| PLUG, NO CEMENT CEMENT | | | |
| OTHER | | | |

13. Complete Program or Completion Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work) SEC. 9-T19S-R38E.

Cut off 8 5/8" casing 14 feet below ground level. RU rathole machine and drill out cement plug from 14' to 43'. RU rathole machine. RU and RUSU 04-09-84 and drill cement from 43' to 225'. Run bit to 345' and drill cement from 345' to 580'. Clean out hole from 580' to 1050' and pull bit. Run fishtail bit and clean out and drill cement to 1138'. Run 2 7/8" tubing open ended and tag at 1138'. Pull up to 1116' and pump 900 sacks of Class "H" cement and PDM, MDC. Run tubing and tag cement at 36'. Pull up to 31' and pump 20 sacks of Class "C" cement and circulate 15 sacks to pit. Cut off casing head and install P&A marker. RD and MDSU 04-15-84.

I hereby certify that the information shown in this and attached to the front of my knowledge and belief.
_____ Sr. Admin. Analyst
_____ APR 5 1984

Production Casing

5.5", 15.0# csg. @ (7.75" Hole) 4045'
150 sxs TOC @ 3280' by Temp Survey

Formation Fluids

Openhole 4045'-4125'

TD @ 4172'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/08/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.65

API 30-025-07660

205' FNL & 205' FEL, SEC. 9-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 10/12/1927

Convert to Inj.: 4/13/1976

P&A Date: 2/14/1985

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

50 sxs
135' - 0'

Spot 175 sxs
900'-376'

Cement Retainer @ 941'

Sqz w/ 404 sxs
P/U & Left 23 sxs on CICR
Fill to 3852'

Spot 100 sxs
w/ TBG @ 1421'
D/O to 1200'

Spot 310 sxs

P&A Marker

271'

747'

1517'

3050'

4026'

TD @4247'

D.F. 3606'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

20.0", 90# csg. @ 271'
Not Cemented

Surface Casing

16.0", 70# csg. (Assumed 19.75" Hole) @ 747'
Not Cemented

Intermediate Casing

12.5", 40# csg. (Assumed 13.75" Hole) @ 1517'
75 sxs - 1143' Calculated

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|------------------------|----------------|------------------------------|----------------|
| REPORTING COMPANY NAME | PLUG AND SEALS | REPAIRS, WORK | ALTERED CASING |
| TELEPHONE - NUMBER | SEALING PLUGS | REPAIRS/REPLACEMENT | PLUG AND SEALS |
| PLUG OR ALTER PLUGS | SEALING PLUGS | SEALING TEST AND SEALING JOB | PLUG AND SEALS |
| OTHER | OTHER | OTHER | OTHER |

7/15/85. Pulled plug and released plug. Then plug and plug and set plug at 3951'. Pressure tested csg. to 500 PSI and OK. Released plug and P&A with plug and plug. Then plug and plug and set at 3948'. Cement squeeze with 75 sxs Class C cement and 100 sxs plug oil. Pulled plug. Left 32 sxs cement on top of retainer, 143 sxs cement below. Spotted 100 sxs Class C cement. Drilled out cement 11090'-1200'. Then plug and set at 344'. Pressure tested plug to 500 PSI and OK. Pumped 1000 gals. 15% acid. Then cement retainer and set at 941'. Cement with 404 sxs Class C. Left 23 sxs cement on retainer. Spotted 175 sxs Class C at 900'. Spotted 50 sxs Class C 135' surface set for the head and installed P&A marker.

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Intermediate Casing

10.75", 45.5# csg. (Assumed 11.75" Hole) @ 3050'
10 sxs - TOC @ 2590' Calculated

Remedial - Recomplete for Injection

Sqz Perfs 3818' - Post Sqz CBL TOC @ ~2600'
Sqz w/ 50 sxs

Production Casing

Sqz Perfs 4000'
Sqz w/ 50 sxs (R/O 32 sxs)
Not Cemented (Post Sqz ~2600' by CBL)

Deepen to 4241'

Openhole 4026'-4217' (Original Comp)

DTD @4217' (Original)

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC

Terry Tract 1 Well No.26

API 30-025-07661

660' FSL & 660' FEL, SEC. 9-T19S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 7/28/1930

P&A Date: 2/15/1946

Well plugged by:
Stanolind Oil & Gas Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

G.L. ~3610'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 20 sxs
40'-0'

Surface Casing

16.0", 70# csg. (Assumed 19.75" Hole) @ 149'
50 sx - TOC @ 98' - Calculated

149'

Spotted 40 sxs
1600'~1480'

Intermediate Casing

10.75", 45# csg. (Assumed 13.75" Hole) @ 1598'
75 sxs El Toro - TOC @ 1411' Calculated

Loaded Hole w/ Heavy Mud

1598'

Spotted 40 sxs
2410'~2347'

<P&A SUBSEQUENT SUNDRY>

Shot 8.625" Several Times
Finally Parted @ 2410'
& Pulled Casing

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO

Following is a report on the work done and the results obtained under the heading noted above at the
Stanolind Oil & Gas Co. Terry Tract 1 Well No. 26 in the
County of Lea State of New Mexico.
The date of this work was as follows: 1 January 1946 to 15 February 1946
Notice of intention to do the work was submitted on Form C-100 on December 18, 1945
and approval of the proposed plan was submitted (Cross out incorrect words.)
DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED
2.3 425' Plug back to 4200'. A cement plug was placed from 4207'-4208', ending shot in
annular space and finally parted at 2410', 8-5/8" casing was then pulled and a
40-inch cement plug placed with the hole at 2428". The hole was then spotted with 11 tons
of heavy mix slurry. A 40-inch cement plug was then spotted at 1500' (base) in 10-3/4" casing.
Twenty seven cement was set on surface plug in casing and surface installed. Abandonment
completed February 15, 1946.

Formation Fluid

Witnessed by G. V. Stanghell Stanolind Oil & Gas Co. Fred Hansen
Represented and sworn before me this 22nd day of February, 1946
Name: Fred Hansen
Position: Field Rep.
Representing: Stanolind Oil & Gas Co.
Company or Operator
My commission expires 4-23-46 Address: Box 7, Hobbs, New Mexico
APPROVED
Oil & Gas Inspector

Spotted Cement from
4200-4027'

Production Casing

8.625", 36# csg. (Assumed 9.875" Hole) @ 4071'
75 sxs El Toro - TOC @ 3526' by Calc.

TOL 4042'

4071'

4208'

TD @4250'

Perfs 4204'-08',
4228'-33' and 4243'-53'
Perfs Tested
and Immediately Plugged.
DTD @4185'

Production Liner

5.5", 14.0# J-55 csg. (Assumed Hole 7.875") @ 4208' w/
TOC @ 3773' (Top of Lnr.)
(Deepened Well to 4250' and Set Liner 6/08/1945)

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.82**

API 30-025-07664

2310' FSL & 2310' FWL, SEC. 9-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 4/20/1962

Convert to Inj: 11/18/1975

TA Date: 12/03/1997

P&A Date: 7/02/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @ 382'
 Circulate 126 sxs

Sqz Perfs @ 1600'
 Sqz w/ 35 sxs
 Tagged @ 1490'

Loaded Hole w/
Heavy Plugging Mud

Sqz Perfs @ 2680'
 Sqz w/ 35 sxs
 Tagged @ 2460'

Spot 25 sxs Cmt
3950'-3972'

Set P&A CIBP @ 3950'

Formation Fluids

Remedial Sqz - Openhole w/ 550 sxs
 thru CIBP @ 4134' & D/O to 4227'
 Return to Injection 6/02/83

TD @ 4227'

P&A Marker

K.B. 3612'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24# J-55 csg. (12.25" Hole) @ 332'
 200 sxs Halliburton - Circ. 50 sxs to Surface

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | REMEDIAL WORK | ☐ |
| PULL OR ALTER CASING | ☐ | COMMENCE DRILLING OPIB | ☐ |
| OTHER: | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER: | ☐ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103
 6-30-03 Set CIBP @ 3950'
 7-1-03 Circulate Hole Salt Gel Mud. Spot 25 sxs Class C 3950'-3972'. Perforate 4 SPF @ 2680' Squeeze 35 sxs Class C WOC. Tag Plug @ 2460'.
 7-2-03 Perforate 4 SPF @ 1600'. Squeeze 35 sxs Class C WOC. Tag Plug @ 1490'. Perforate 4 SPF @ 382'. Circulate 126 sxs Class C Cut off & Install Dry Hole Marker

Approved as to plugging of the Well Bore.
 Liability under bond is released until
 surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief

Signature: *[Signature]* TITLE: *P&A Supervisor* DATE: *2-2-03*

TYPE OR PRINT NAME: *[Signature]* TELEPHONE NO: *409-7379*

(This section for Spot Casing)

APPROVED BY: *[Signature]* TITLE: *OC FIELD REPRESENTATIVE R/STAFF MANAGER* DATE: *07/28/03*

COMMISSION OF APPROVAL: *[Signature]*

Production Casing

4.5", 9.5# J-55 csg. (7.875" Hole) @ 4149'
 430 sxs Halliburton - TOC @ 2977' by CBL

1st Recom for Injection 11/18/75

Add Perfs 4029'-31'; 46'-48', 88'-92', 4115'-17'

PBTD @ 4167' w/100 mesh + Cat Seal

Perfs 4053'-60', 65'-71', 77'-79',
 4101'-09', 20'-24' (2 jspl)

DTD @ 4150'

2nd Recom to Increase Injection
 6/25/79 - Deepened to 4227' & Acidize
 Openhole 4149'- 4227'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/20/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.81

API 30-025-07666

2310' FSL & 660' FWL, SEC. 9-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 12/09/1958

TA Date: 9/08/1991

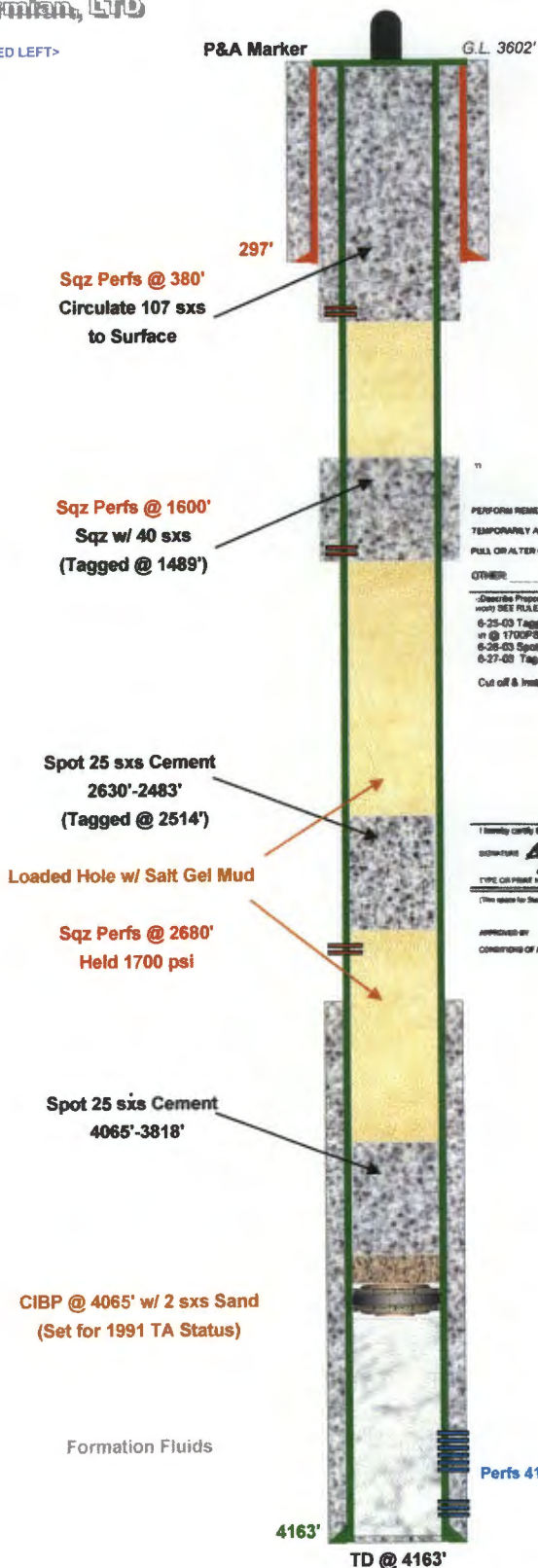
P&A Date: 6/27/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:



Surface Casing

8.625", 28.0# csg. (11.0" Hole) @ 297'
150 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | COMMENCE DRILLING OPER. | ☐ |
| | | CASING TEST AND CEMENT JOB | ☐ |
| | | ALTERING CASING | ☐ |
| | | PLUG AND ABANDONMENT | ☒ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1108
6-25-03 Tagged CIBP @ 4065'. Circulate Hole salt Gel Mud. Spot 25 on Class C 4065'-3818'. Perforate 4 SPF @ 2680'. Not Able to pump in @ 1700PSI.
6-26-03 Spot 25 on Class C 2730'-2489' WOC. Tag Plug @ 2514'. Perforate 4 SPF @ 1600'. Squeeze 40 on Class C. WOC.
6-27-03 Tag Plug @ 1489'. Perforate 4 SPF @ 380'. Circulate 107 on Class C to Surface in Annulus & Leave Casing Full.
Cut off & Install Dry Hole Marker

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief
SIGNATURE *[Signature]* TITLE *P&A Supervisor* DATE *6-27-03*
TYPE OR PRINT NAME *Becky Gray* TELEPHONE NO. *492 638-7375*
(This space for State Use)
APPROVED BY *[Signature]* TITLE *OC FIELD REPRESENTATIVE / STAFF MANAGER* DATE *AUG-07-2003*

Production Casing

5.5", 15.0# csg. @ (7.75" Hole) 4163'
175 sxs TOC @ 3237' by Calc.

Formation Fluids

Perfs 4110'-27', 45'-51' (2spf)

4163'

TD @ 4163'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/21/2012

PLUGGED WELL SCHEMATIC **State A-2 RA/A Well No.34**

API 30-025-22754

660' FNL & 660' FEL, SEC. 9-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 9/16/1968

Well TA'd: 5/1969

P&A Date: 5/19/1980

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3620'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot Cement
 20'-0' 416'

Mud Ladened Fluid

Sqz Perfs @ 1300'
 w/ 500 sxs CICR @ 1250'

Sqz'd Perfs @ 3265'-3302'
 w/ 400 sxs CICR @ 2204'

Cut & Pulled 5.5" @ 3902'
 Spot Cmt 4060'-3830'

4354'

Spotted 25 sxs
 5450'-5250'

Formation Fluid

7929'

PBTD @ 7920'

DTD @ 8812'

Surface Casing

13.375" 48#, H-40 csg. (17.5" Hole) @ 416'
 425 sx Class 'C' - Circulated

Recompletion 3/30/80

S Rvrs Perfs 3265'-72' and 3293'-3302'

Intermediate Casing

9.625" 32.3 & 36# H-40 csg. (12.25" Hole) @ 4354'
 1000 sxs Incor & 300 sxs Neat C
 TOC @ 1882' Calculated

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | SUBSEQUENT REPORT OF: | |
|--|------------------|---------------------------|--------------------|
| NOTICE OF INTENTION TO: | | | |
| ALTERATION OF DESIGN | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHARGE PLUG | CONDUCT DRILLING OPER. | PLUG AND ABANDONED |
| PLUG AND ABANDON DESIGN | | CASING TEST AND TREAT JOB | |
| | | OTHER | |

11. Directional Drilling or Completion Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 6.103.

Plugged and abandoned per the following procedure:

Ran a cement retainer set at 2204'. Squeezed perfs 3265'-3302' with 400 SX Class C cement. Perforated 9-5/8" casing at 1300' with 4 JSPF. Ran a cement retainer set at 1250'. Squeezed with 500 SX Class C cement. Reversed out 20 SX. Load hole with mud laden fluid. Spotted a 20' cement surface plug. Erected permanent P & A marker. Will advise when location is ready for final inspection.

12. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

| | | |
|---------------------------------|-----------------------------|---------------------|
| NAME <u>Bob Davis</u> | TITLE <u>Admin. Analyst</u> | DATE <u>5-19-80</u> |
| SIGNED BY <u>Mike Hesterman</u> | OIL & GAS | DATE |
| COMPANY <u>AMOCO, INC.</u> | 1-Hour | 1-Susp |
| | 1-80 | |

Paddock Perfs 5388'-92'

Paddock Perfs 5487'- 5564'
 CIBP @ 5580'

CIBP @ 5820' to Abandon Lower Zones

Blinbry Perfs 5876'- 5909' and 5948'-96' and 6010'-79'

Drinkard Perfs 6894'- 6918' and 6802'-66' and 6771'-87'

Abo Perfs 7512'-82'

Production Casing

5.5" 14.0-17.0# J-55 csg. (7.25" Hole) @ 7929'
 1650 sxs Class 'C' - TOC @ 3551' Calculated

Plugged Dry Zone w/ 100 sxs

SOS Consulting, LLC

Drawn by: Ben Stone, 3/21/2012

PLUGGED WELL SCHEMATIC **State 'A' Well No.41**

(Formerly South Hobbs (GSA) Unit Well No.74)

API 30-025-23416

1650' FNL & 1650' FEL, SEC. 9-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 01/09/1970

P&A Date: 1/27/1987

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3612'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Shot Sqz Perfs @ 500'
 Sqz down Csg w/ 213 sxs
 Circulate to 22 sxs to Surface

10# Mud

Spot 25 sxs Cement
 2614'-2432'

CIBP @ 3000' Cap w/ 35' Cmt

Formation Fluids

2nd Recomp

S Rvrs Perfs 3194'-3202', 3220'-26', 54'-63' and 3290'-3300'

Sqz'd GSA Perfs thru CICR

Set @ 3960' w/ 250 sxs

1st Recomp - Added Perfs

3996'-4078' and 4128'-98'

GSA Perfs 4109'-17' and 4207'-21'

4222'

TD @ 4222'

Surface Casing

8.625", 28.0# csg. (12.25" Hole) @ 307'

250 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
 NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|------------------|------------------|------------------|------------------|
| REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED |
| REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED |
| REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED |
| REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED | REPAIRS REQUIRED |

Describe Progress or Completed Operations (Clearly state all pertinent details, and give pressure rates, including all other data of interest and progress made) SEE RULE 175B.

MI and RUSU 1-27-87. Kill well with 30 BW. Install BOP and R 5-1/2" CIBP. Set at 3000 ft. and RIH with 3-1/2" dump bailer. Cap CIBP with 35 ft cement. Run tubing to 2960. Displace hole 75 bbl 10# mud. Pull tubing to 2614 ft. Spot 25 sx class C cement 2614 ft. RIH with 4" casing gun. Perf 500-501 4 JSPF. Circulate out of 8-5/8" annulus 2BPM 200#. Cement down casing with 213 sx class C displace 1/2 bbl mud. Circ 22 sx cement. Cut off wellheads and erect P&A marker. Clean up location. RO and RUSU 1-29-87.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

By S. Brownlee TITLE Administrative Analyst DATE 2-11-87

By R. Brownlee TITLE Oil & Gas Inspector DATE MAY 12 1987

OPTIONAL OF APPROVAL, IF ANY

Production Casing

5.5", 14.0# csg. @ (7.875" Hole) 4222'

475 sxs Incor Neat - TOC @ 1708' by Calc.

**SECTIONS
10 & 11**

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.92

API 30-025-07673

660' FSL & 660' FWL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/15/1932

Convert to Inj.: 12/20/1975

TA Date: 12/10/1997

P&A Date: 10/20/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Surface
45 sxs 129'
400' - 0'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

16.0" 70# csg. (19.75" Hole) @ 129'
170 sx El Toro - Circulate to Surface

Hole loaded w/ Plugging Mud

Spot 25 sxs
1667'-1353' Tagged

1617'

Spot 25 sxs
3276'-3032' Tagged

Spot 25 sxs
4060'-3816' Tagged

CIBP @ 4020'
(Set for 12/97 TA Status - Tagged
@ 4060' during P&A Ops)

Remedial
Sqz Perfs below CIBP @ 4100'

2nd Recom
Perf 4120'-50' / Rtn to Injection

4220'

TD @ 4220'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPS ☐ PLUG AND ABANDONMENT ☒
CASING TEST AND CEMENT JOB ☐ OTHER: ☐

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 105

16/09/03 Tagged existing CIBP @ 4057' Circ. well w/ plugging mud. Spot 25 sxs of cement @ 4057'. Tagged @ 3816'
10/21/03 Spot 25 sxs of cement @ 3276' Tagged @ 3032'. Spot 25 sxs of cement @ 1667'. Tagged @ 1353'.
10/22/03 Spot 45 sxs of cement 400'-surface.

Cut off wellhead and anchors 2" BGL. Capped well. Installed dry hole marker.

Agreed as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and correct to the best of my knowledge and belief.

SIGNATURE *[Signature]* TITLE *P&A Supervisor* DATE *10-22-03*
TELEPHONE NO. *638-7575*
APPROVED BY *[Signature]* OC FIELD REPRESENTATIVE (W/STAFF MANAGER) DATE *NOV 10 2003*

Sqz Perfs 1000'

Sqz w/ 550 sxs cement

Sqz Perfs 1555'

Sqz w/ 500 sxs cement

Remedial work 9/81

Intermediate Casing

10.75" 45.5# csg. (13.75" Hole) @ 1617'
200 sxs El Toro - 985' Calculated

Production Casing (Original)

8.625" 36.0# csg. (9.875" Hole) @ 4034'
150 sx El Toro - TOC @ 2943' Calculated

1st Recom

Perfs 4044'-52', 58'-60', 68'-70',
74'-86', 94'-4100', 22'-27', 31'-35',
62'-70', 72'-80' and 86'-94'

Production Casing (Ran 9/81)

5.5" 17.0# csg. (8.625" Hole) @ 4220'
2 Stg Cmt w/ DV @ ~3200' - 225 sxs / 500 sxs
Circulated 119 sxs to pit

Openhole 4025'-4220' (Original Completion)

SOS Consulting, LLC

Drawn by: Ben Stone, 3/29/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.94**

API 30-025-07674

330' FSL & 2310' FWL, SEC. 10-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 4/14/1930

TA Date: 7/10/1991

P&A Date: 11/21/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 53 sxs
 168'-0'

P&A Marker G.L. 3568'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

16.0", 70.0# csg. (19.5" Hole) @ 118'
 75 sxs El Toro - Cement to Surface

Spot 50 sxs
 1803'-1612' (Tagged)

1662'

Intermediate Casing

10.75", 45.5# csg. (13.75" Hole) @ 1668'
 75 sxs El Toro - TOC @ 1475' Calc

Shot Sqz Holes @ 1735'
 Held 1400 psi

Spot 35 sxs
 2860'-2720' (Tagged)

Shot Sqz Holes @ 2800'
 Held 1200 psi

Mud Ladened Fluid
 Between Plugs

Spot 35 sxs on Existing CIBP
 3946'-3808'
 CIBP @ 3950'
 Set for 1991 TA Status

Formation Fluids

4016'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | COMMERCE DRILLING OPS | ☐ |
| OTHER | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | ALTERING CASING | ☐ |
| | | PLUS AND ABANDONMENT | ☒ |
| | | OTHER | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE HOLE LOG.

- 11/18/97 OGD NOTIFIED, P&A INTENT, R/H W/2-3/8" WORKSTRING, TAG CIBP @3946'.
- 11/18/97 PUMP M/LF 32V.
- 11/19/97 OGD NOTIFIED, CAP CIBP W/35 SXS (C) CMT 3946'-3808'.
- 11/19/97 PERF & HOLES @ 2800', 8-5/8" PER @ 2552', PSI TO 1200# HOLDING, OGD NOTIFIED SPOT 35 SXS "C" IN 8-5/8" 2860'-2722'.
- 11/20/97 SET PER 1500', TAG TOC 2720', OGD NOTIFIED, PERF 1735', PSI 1400#, NOTIFIED OGD UNABLE TO SQ., SPOT 50 SXS "C" CMT IN 8-5/8" FROM 1803'-1608'.
- 11/21/97 TAG CMT @ 1612', OGD NOTIFIED, PUMP 80 BBLs M/LF, SPOT 53 SXS "C" CMT FILL 8-5/8" CSG FROM 166' TO SURFACE & CAP.
- 11/21/97 CUT OFF WELL HEAD, INSTALL DRY HOLE MARKER.

I hereby certify that the information shown in this well log is the best of my knowledge and belief.

Signature: James L. Bagley TITLE: P&A Supervisor DATE: 11/21/97

TYPE OR PRINT NAME: James L. Bagley TELEPHONE NO.: 915-530-0907

Check space for Date Time

Signature: Johnny Robinson TITLE: DATE:

11/21

Production Casing

8.625", 36.0# Csg (9.875" hole) @ 4016'
 75 sxs El Toro - TOC @ 3471' Calc

Openhole 4016'-4177'

TD @ 4177'

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.69**

API 30-025-07677

660' FNL & 990' FEL, SEC. 10-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 5/02/1957
 Note: TA'd from 1957-'81
 Convert to Inj.: 11/11/1975
 P&A Date: 2/21/1992

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3614'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Shot Sqz Perfs @ 360'
 Sqz down Csg w/ 130 sxs
 Circulate to Surface

Shot Sqz Perfs @ 1840'
 Sqz w/ 75 sxs
 thru CIBP @ 1759'

CIBP @ 2816'
 Cap w/ 35' Cmt

Formation Fluids

CIBP @ 3240'
 Cap w/ 35' Cmt

CIBP @ 4100' Cap w/ 50' Cmt
 (Set for S Rvrs Completion)

Remedial - 8/22/83 - Sqz Lower Perfs
 thru CIBP @ 4205' w/ 200 sxs
 D/O to 4285' & Acidize Open Perfs

2nd Recomp - SanDrill Perfs - Same Interval
 Perfed 4123'-26', 35'-38', 43'-46', 52'-55',
 4159'-62', 66'-69', 77'-80' and 4185'-88'

3rd Recomp - Added Perfs 4223'-28'
 & Acidize all open perfs.

4rd Recomp - D/O to 4285'
 Added Perfs 4248'-52', 62'-66'
 Convert to Injection 11/11/1975

PBTD 4285'

4360'

TD @ 4360'

Surface Casing

8.625", 28.0# csg. (12.25" Hole) @ 306'
 260 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |
| REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| COMMENCE DRILLING OPER. | ☐ | PLUG AND ABANDONMENT | ☒ |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE SECS 1905.

2/19/92 NH x WL. Big out cellar x LG rods x tbg.

2/20/92 RIN x WL x set CIBP @ 3240' x cap w/35' cement. Set CIBP @ 2816' x cap w/35' cement. Perf 1840' - 1841', 4 SFF. POB x WL.

2/21/92 Setb. Inj. rate x 2 SFF x 1450 psi. Set cement retainer @ 1759' x pump 75 sx. Cl. C neat cement. Displace tbg. x PO of cement retainer. RIN x WL and set CIBP @ 400'. Perf 360' - 361', 4 SFF. Pump down 5-1/2" casing x between 5-1/2" casing and 8-5/8" casing. Pump 130 sx. Cl. C neat x circ. 10 sx. Cut off wellhead x install yea marker.

NO x NO.

I hereby certify that the information shown in this well complete to the best of my knowledge and belief.

Signature: Mark Stephens Title: Business Analyst (SG) Date: 9/30/97

Printed Name: Mark Stephens (281) 532-1158

(This space for the State)

ORIGINAL SIGNED BY C. H. S. WILLIAMS DISTRICT SUPERVISOR

DATE: OCT 10 1997

5th Recomp - S Rvrs Comp
 Set CIBP at 4100' & Cap w/ 50' Cmt
 Perf 3290'-3302', 3214'-24',
 3350'-60' and 86'-94'

Production Casing

5.5", 14.0# csg. @ (7.875" Hole) 4360'
 1600 sxs Howco - TOC @ 1708' by Calc.

1st Recomp (Sqz's interval below)
 Perfed 4122'-28', 42'-50' and 4158'-60'
 Well TA'd After No Oil Show n 1957

Original SA Perfs 4313'-20', 32'-37' and 4350'-60'
 (Immediately Sqz'd and reperfed above interval)

SOS Consulting, LLC

Drawn by: Ben Stone, 3/27/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.77**

API 30-025-07680

1980' FNL & 1980' FWL, SEC. 10-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 11/29/1932
 P&A Date: 12/04/1986

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 30 sxs
 160'-0"

Shot Sqz Holes @ 500'
 Sqz w/ 300 sxs
 thur CICR @ 1476'
 Circulate 30 sxs to Surface

Pumped 30 bbls Mud

Shot Sqz Holes @ 1676'
 Sqz w/ 750 sxs
 thur CICR @ 1476'
 Circulate 42 sxs to Surface

Pumped 70 bbls Mud
 (~2100' Displacement)

Sqz OH w/ 200 sxs
thru CICR @ 3904'
 R/O 13 sxs



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing
 16.0", 70.0# csg. (19.5" Hole) @ 202'
 75 sxs El Toro - Cement to Surface

Intermediate Casing
 10.75", 45.5# csg. (13.75" Hole) @ 1576'
 75 sxs Incor - TOC @ 1475' Calc

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | | |
|--|--------------------------|-----------------------|--------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PLUG AND REPAIR | ☐ | REPAIRS MADE | ☐ |
| REPAIRS MADE | ☐ | REPAIRS MADE | ☐ |
| REPAIRS MADE | ☐ | REPAIRS MADE | ☐ |
| REPAIRS MADE | ☐ | REPAIRS MADE | ☐ |

17. Complete Statement of Completion (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting new proposed work) per Rule 6.100.

MIRU-SU 12-4-86. Install BOP. P&A production equip. Pump 200 bbls 10% brine and unable to circulate. RIN w/cement retainer and set at 3904'. Cement w/50 sacks Class C and 100 sacks Class C. 46/sack Tuff plug. 50 sx Class C. Disp 10 bbls water. Sting out of retainer and reverse out 13 sacks cement. Pump 70 bbl mud. Run 4" casing gun. Perf 1676-77 4 SPF. Pump down casing, 3 BPM at 3000'. Circulate out. RIN w/5-5/8" cement retainer. Set at 1475 ft. Casing would not test. RIN w/6-5/8" lock-set packer to 94 ft. Packer would not set. P&A w/packer. Pump 3 bbls dyed water down casing and circulate water out. Run stinger and sting into retainer at 1475'. Cement 720 sacks Class C cement and disp 5 bbls water. Circulate 42 sacks cement. Pull up to 526 ft. Run tubing and tag up 48 ft. RIN w/5-3/8" bit and drill out stinger from 48 to 52 ft. Tag cement to 1445 ft. Pump 30 bbl mud. RIN w/4" casing gun and perf 500-501 4 SPF. Unable to circulate out surface at 10000. Spot 200 gallons 15% acid. Pump 15 bw down casing at 1.4 BPM at 10000. Establish injection rate down casing at 3 BPM at 7500. Circulate out surface riser and pump 300 sacks Class C 2% CaCl₂. Disp 2 bw. Circulate 30 sacks cement. Pull to 63 ft and spot a 30 sack cement plug to surface. Cut off wellhead and install P&A marker. ROMO-SU 12-11-86.

| | | | |
|--|----------|---------------------|-------------|
| I hereby certify that the information shown is true and complete to the best of my knowledge and belief. | | | |
| DATE | 12-16-86 | Admin. Analyst | 12-16-86 |
| SIGNED BY | Patricia | OIL & GAS INSPECTOR | JAN 23 1987 |
| CERTIFICATION OF APPROVAL, IF ANY | | | |

Production Casing
 6.625", 26.0# csg. (9.875" Hole) @ 4000'
 250 sxs El Toro - TOC @ 3471' Calc
 (Note: Amoco called this 6.375" Csg)

Openhole 4000'- 4201'

TD @ 4201'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/29/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.78

API 30-025-07681

1980' FNL & 2310' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/08/1937

Convert to Inj.: 1/12/1976

TA Date: 12/01/1997

P&A Date: 11/24/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs 300'
Sqz's w/ 50 sxs
(No Circulation)

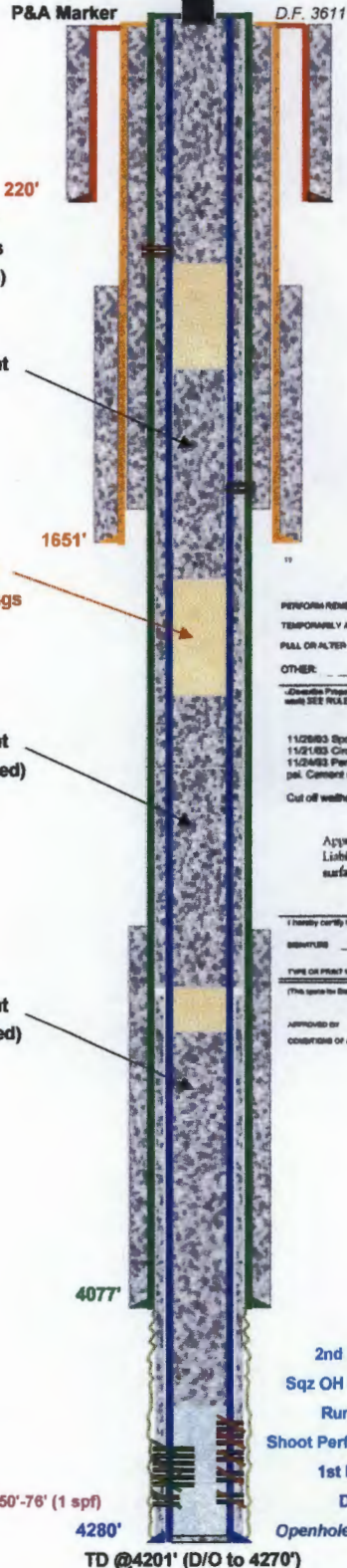
Spot 50 sxs Cmt
1701'-1195'

Plugging Mud
between cmt. plugs

Spot 50 sxs Cmt
3171'-2441' (Tagged)

Spot 50 sxs Cmt
4186-3592 (Tagged)

5th Recomp - Sqz ALL Perfs
thru CICR @ 4074' w/ 100 sxs
D/O & Perf 4190'-4226' - Rtn to Inj.
4th Recomp - Sqz ALL Perfs
thru CICR @ 4048' w/ 575 sxs
D/O & Clean Out to 4255'
Shoot Perfs 4190'-4226', 45'-52' (4 spf)
Return to Injection
3rd Recomp - Add Perfs to 4150'-76' (1 spf)



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

13.0", 40# Csg. (17.0" Hole) @ 220'
150 sxs - Circulated

Intermediate Casing

9.625", 36# Csg. (12.5" Hole) @ 1651'
350 sxs - TOC @ 726' Calculated

Remedial 10/22/81 - Shot Perfs @ 1654'

Sqz's w/ 345 sxs (RBP @ 4000')
(Circulated 72 sxs to surface)

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|-----------------------|------------------|----------------------------|------------------------|
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLANS | COMMENCE DRILLING OPER. | PLUG AND ABANDONMENT X |
| PULL OR ALTER CASING | | CASING TEST AND CEMENT JOB | |
| OTHER: | | OTHER: | |

*Generate Prepared or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 193

11/28/83 Spot 50 sxs of cement @ 4186'. Tagged TOC @ 3592'
11/21/83 Circ. well w/ plugging mud. Spot 50 sxs of cement @ 3171'. Tagged TOC @ 2441'. Spot 35 sxs of cement 1701'-1195'.
11/24/83 Perf @ 300'. Spot 25 sxs of cement 350'-surface. POH. Squeezes 50 sxs of cement into ports, no circ @ surface. Close in w/ 500 psi. Cement stayed at surface.

Out off wellhead & anchors 2' BGL. Cap well. Installed dry hole marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE Robert G. Gilbert TITLE SR. Eng. Tech. DATE 12-02-03
TYPE OR PRINT NAME Robert G. Gilbert TELEPHONE 392-8206
(This space for Sign Use)

APPROVED BY Chris Williams OF DISTRICT SUPERVISOR/GENERAL MANAGER
DATE

COMPLETION OF REMEDIAL, IF ANY

Production Casing (Original)

7.0", 24# Csg. (8.75" Hole) @ 4077'
375 sxs - TOC @ 2808' - Reported.

Production Liner (Ran 1/06/84)

4.5", 10.5# Lnr. @ 4280' w/ DV @ 3171'
1st Stg - 110 sxs - Circ. 30 sxs.
2nd Stg - 300 sxs - Circ. 60 sxs.

2nd Recomp - Plug Back to 4178'

Sqz OH Interval w/ 650 sxs - D/O to 4255'

Run 4.5" Liner & Cmt as Spec'd

Shoot Perfs 4190'-4204', 22'-26', 45'-52' (4 spf)

1st Recomp - Convert to Injection

Deepen OH to 4270' 1/12/76

Openhole 4077'-4201' (Original Completion)

TD @ 4201' (D/O to 4270')

SOS Consulting, LLC

Drawn by: Ben Stone, 4/09/2012

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.96**

API 30-025-07682

330' FSL & 2310' FEL, SEC. 10-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 4/24/1930

P&A Date: 1/25/1993

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 50 sxs
 100'-0'
 Shot Sqz Holes @ 100'
 Sqz w/ 50 sxs
 Circulate to Surface
 Shot Sqz Holes @ 500'
 Sqz w/ 387 sxs

 Shot Sqz Holes @ 973'
 Sqz w/ 37 sxs

Shot Sqz Holes @ 1576'
 Sqz w/ 76 sxs

Spot Cement
 2650'-2450'

Loaded Hole w/ 12# Mud

Set CIBP @ 4020'
 Cap w/ 200' Cement

P&A Marker

G.L. 3590'

118'

1523'

4064'

TD @ 4190'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

15.5", 70.0# csg. (Assumed 19.5" Hole) @ 118'
 150 sxs - Cement to Surface

Intermediate Casing

10.0", 45.0# csg. (Assumed 13.75" Hole) @ 1523'
 75 sxs - TOC @ 1336' Calc

<P&A SUBSEQUENT SUNDRY>

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
 NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|-----------------------|------------------|----------------------------|----------------------|
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLANS | COMMENCE DRILLING OPYS. | PLUG AND ABANDONMENT |
| PULL OR ALTER CASING | | CASING TEST AND CEMENT JOB | |
| OTHER: | | OTHER: | |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work.) SEE RULE 1105.

RDSU 1/17/93.
 DUG OUT CELLAR X 10" X 10-3/4" CSG HAD NO WELL HEADS X HAD TO MUD UP X 12# MUD DUE TO OH X GAS AT SURFACE X CAP CIBP AT 4020' X 300' CMT X CMT PLUS 2450-2650' X PERF 1576 X PMP 76 SX CMT X PERF 973' X PMP 37 SX CMT X PERF 500' X PMP 387 SX CMT X UNABLE TO CIRC X PERF 108' X PMP 50 SX CMT CIRC BETWEEN 10-3/4" X 7" X 100' SURFACE PLUS X PMP 50 SX CMT DOWN 16" RISER MIXED WITH COTTON SEED HULLS X CUT OFF CSG X INSTALL P&A MARKER X WELL PLUGGED.
 RDSU 1/25/93.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
 SIGNATURE: *Debra M. Ponce* TITLE: Staff Accountant DATE: 02-18-93
 TYPE OR PRINT NAME: Debra M. Ponce TELEPHONE NO: (713) 560 7807

(This space for Sign Log)
 APPROVED BY: *Charles L...* TITLE: OIL & GAS ENGINEER DATE: MAR 12 1993
 FURNISHING OF APPROVAL: IF ANY

Production Casing

6.625", 24.0# Csg (Assumed 8.0" Hole) @ 4064'
 60 sxs - TOC @ 3471' Calc

Openhole 4060' - 4190'

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.88

API 30-025-12724

1650' FSL & 2310' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Aktura Energy, LTD

Spud Date: 10/08/1929
Convert to Inj.: 12/18/1983
P&A Date: 3/14/2000

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 10 sxs
30'-0'

Sqz Perfs 260'
Sqz w/ 75 sxs
thru PKR @ 30'

Spot 30 sxs
1550'-1414'

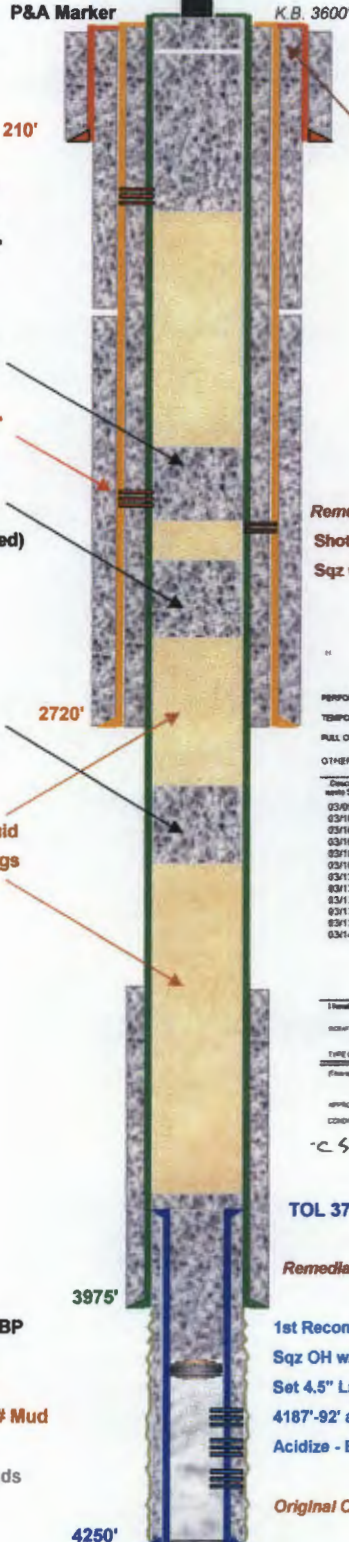
Sqz Perfs 1500'
Held 1000 psi

Spot 25 sxs
2000'-1875' (Tagged)

Spot 25 sxs
2810'-2705'

Mud Ladened Fluid
between cmt. plugs

Spot 35 sxs on CIBP
4100' - ~3750'
CIBP @ 4100'
Circulate Hole w/ 10# Mud
Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# csg. (Assumed 13.75" Holw) @ 210'
160 sx - Calculated to Surface - Not reported

Remedial Work 12/10/1975

Surface Sqz 12.5" x 9.0" w/ 1000 sxs

Intermediate Casing

9.0", 34# csg. (Assumed 9.625" Hole) @ 2720'
500 sxs - Calculated to Surface - Not reported

Remedial Work 10/02/1984

Shot Perfs 1500'-01'

Sqz w/250 sxs - Circ. 47 sxs

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | COMMENCE DRILLING OPER. | ☐ |
| OTHER | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER | ☐ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE PAGE 1103

03/09/08-Notify OCD of intent to plug
03/10/08-Set CIBP @ 4100'
03/10/08-Set and circulate 100 mud
03/10/08-Spot 35 sxs cement on CIBP @ 4100'
03/10/08-Spot 25 sxs cement @ 2810'
03/10/08-Spot 25 sxs cement @ 2000'
03/13/08-Tag plug @ 1675'
03/13/08-Perf 4 holes @ 1500', pressured up to 1000 PSI and held
03/13/08-Spot 30 sxs cement @ 1550'
03/13/08-Perf 4 holes @ 280', set packer @ 30', squeeze 75 sxs cement, tag plug @ 120'
03/13/08-Spot 10 sxs cement from 30' to surface
03/14/08-Cut off well head, install dry hole marker, cut off anchors, clean location

I hereby certify that the information shown is true and complete to the best of my knowledge and belief

SIGNATURE: [Signature] TITLE: Aktura Energy Services, P&A Supervisor DATE: 03-14-09

TYPE OF PRINT NAME: Larry Wink TELEPHONE NO: (915) 822-0155

(Enclosures: None List)

APPROVED BY: [Signature] TITLE: DATE: [Signature]

CONDITIONS OF APPROVAL, IF ANY

C S GWW

Intermediate Casing

7.0", 24# csg. (Assumed 7.875" Hole) @ 3975' w/ 250 sxs
TOC @ 2976' by CBL

Remedial Work 10/02/1984 - Cmt Tie-Back w/ 500 sxs - Circ. 161 sxs

1st Recom. - Plug back to 4156' (11/30/83)

Sqz OH w/ 100 sx - D/O to 4250'

Set 4.5" Lnr and Perf 4172'-80 Production Liner

4187'-92' and 4200'-08'

Acidize - Begin Injection

4.5", 10.5# csg. (Assumed Hole 5.625") @ 3761'

Cmt Lnr w/ 85 sxs - Circ. TOL

TOC @ Calc. to Top of Lnr.

Original Comp OH 3975'-4170'

4250'
DTD @ 4170' (D/O to 4250')

SOS Consulting, LLC

Drawn by: Ben Stone, 4/18/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.95

API 30-025-12726

990' FSL & 2310' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 6/09/1929

TA'd Status: 12/12/1997

P&A Date: 10/24/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 70 sxs
400'-0'

P&A Marker

G.L. 3590'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

15.5", 70# Csg. (Assumed 17.5" Hole) @ 111'
40 sx - Calculated to Surface - Not reported

Remedial Work 8/13/81

Shot Perfs 1865' Sqz w/ 475 sxs thru CIRC @ 1568' & Circ. 20 sxs
Shot Perfs 500' Sqz w/ 400 sxs thru PKR @ 198', D/O & C/O

Intermediate Casing

10.25", 45# Csg. (Assumed 13.75" Hole) @ 1657'
100 sxs - TOC @ 1475' Calculated

Spot 45 sxs
1707'-1520' (Tagged)

1657'

Circulate Hole w/ Plugging Mud

Spot 40 sxs on Existing CIBP
4078'- 3452' (Tagged)

CIBP @ 4079' (Set for 1997 TA Status)

Formation Fluids

4254'

DTD @4184' (D/O to 4254')

TOL 3605'

Intermediate Casing

6.625", 32# csg. (Assumed 7.875" Hole) @ 4076'
400 sxs - TOC @ 2910' by CBL

Production Liner (Ran 7/26/84)

4.5", 10.5# csg. (Assumed 5.625" Hole) @ 4250'
Cmt Lnr w/ 100 sxs - Circulate to TOL

Remedial Work 7/26/84 - PB w/ Sand & CalSeal

Sqz OH w/ 1050 sxs - R/O 66 sxs - Run 4.5" LNR as below

Remedial Work 9/03/84 - PB w/ Sand & CalSeal

4076' Sqz perfs 4170'-80' w/ 250 sxs - D/O, Re-perf same & acidize

1st Recomp.- Plug back to 4156' (11/30/83)

Sqz OH w/ 100 sx - D/O to 4250'

Set 4.5" Lnr and Perf 4170'-80'

4183'-4208' and 4216'-25'

Original Comp OH 4076'-4184'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUG AND ABANDON

CHANGE PLUGS

CASING TEST AND CEMENT JOB

OTHER

SUBSEQUENT REPORT OF:

ALTERED CASING

PLUG AND ABANDONMENT X

Check Box Proposed in Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103

10/23/83 Tagged existing CIBP @ 4078'
10/23/83 Spot 45 sxs of cement @ 4078' Tagged @ 3452' Circ. well w/ plugging mud. Spot 45 sxs of cement @ 1707' Tagged @ 1520'
10/24/83 Spot 70 sxs surface plug @ 400'-surface.

Cut off wellhead and anchors J BOX. Capped well. Installed dry hole marker

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.



I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE *Ben Stone*

TITLE *OC Supervisor*

DATE *10/24/83*

TYPE OF FIRST NAME *Ben*

TELEPHONE NO *638-7377*

(The Name to Be Used)

APPROVED BY *Ben Stone*

OC FIELD REPRESENTATIVE II/STAFF MANAGER

NOV 10 2003

CONDITIONS OF APPROVAL, IF ANY

Intermediate Casing

6.625", 32# csg. (Assumed 7.875" Hole) @ 4076'
400 sxs - TOC @ 2910' by CBL

Production Liner (Ran 7/26/84)

4.5", 10.5# csg. (Assumed 5.625" Hole) @ 4250'
Cmt Lnr w/ 100 sxs - Circulate to TOL

SOS Consulting, LLC

Drawn by: Ben Stone, 4/25/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.93

API 30-025-12727

990' FSL & 2310' FWL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 10/07/1929

TA'd Status: 9/17/1992

P&A Date: 11/14/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 25 sxs
35'-0'

Perf & Sqz @ 400' w/ 70 sxs
Tagged @ 242'

Spot 30 sxs
1744'-1626' (Tagged)

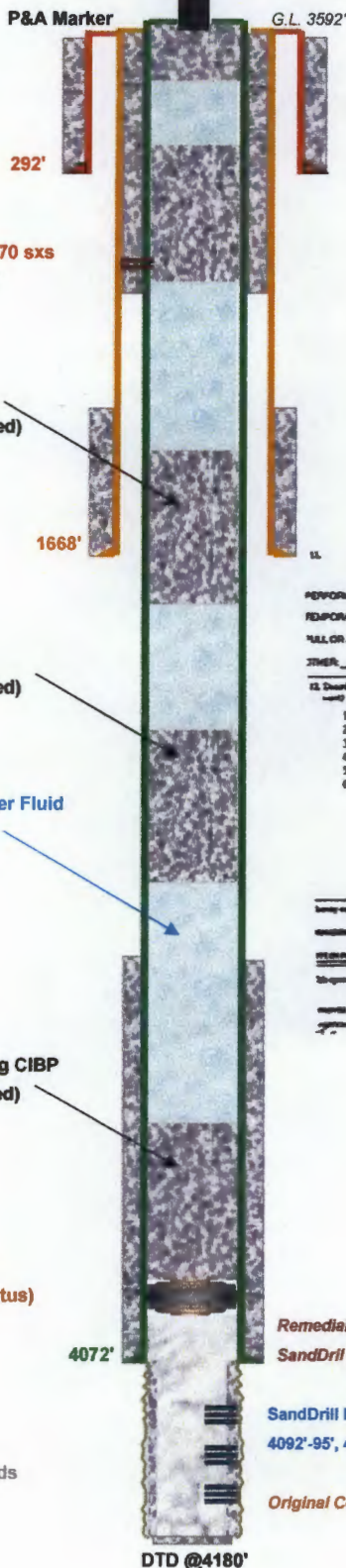
Spot 30 sxs
2718'-2600' (Tagged)

Circulate Hole w/ Packer Fluid
for TA Status

Spot 30 sxs on Existing CIBP
3960'-3842' (Tagged)

CIBP @ 4000'
(Set for 1992 TA Status)

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

15.5", 70# Csg. (Assumed 17.5" Hole) @ 292'
60 sxs - Calculated to 139'

Intermediate Casing

10.75", 45.5# Csg. (Assumed 13.75" Hole) @ 1668'
40 sxs - TOC @ 1568' Calculated

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:

| | | | | | | | |
|-----------------------|--------------------------|------------------|--------------------------|----------------------------|--------------------------|----------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| RESPONSIBLY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPS | ☐ | PLUG AND ABANDONMENT | ☐ |
| PULL OR ALTER CASING | ☐ | | | CASING TEST AND CEMENT JOB | ☐ | | |
| OTHER: | ☐ | | | OTHER: | ☐ | | |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of meeting any proposed work) SEE RULE 19A.

- 1) TAG CIBP @ 3960 SPOT 30 SXS "C" IN CHT FROM 3960 TO 3842
- 2) MAP 30 SXS "C" IN CHT FROM 2718' TO 2600'
- 3) MAP 30 SXS "C" IN CHT FROM 1744' TO 1626'
- 4) PERF & SQZ 70 SXS "C" 915P TOC TO 242 TAG @ 243
- 5) MAP 25 SXS "C" IN CHT CAP FROM 35' TO GRD SURF.
- 6) INSTALL DRY HOLE MARKER 11-14-97

Verify that the information shown is true and complete to the best of my knowledge and belief.

Signature: *James L. Bagley* Title: P & A SUPERVISOR Date: 11-14-97
Signature: *James L. Bagley* Title: P & A SUPERVISOR Date: 11-14-97
Signature: *Elmer* Title: *Elmer* Date: 2-01-01

Production Casing

8.625", 36# csg. (Assumed 9.875" Hole) @ 4072'
130 sxs - TOC @ 3127' Calculated

Remedial Work 8/22/63 - Sqz OH interval w/ 100 sxs + .5 lb/sx Tuf-Plug
SandDrill perfs as shown below - Acidize & Frac w/ 45,000# sand

SandDrill Perfs: 4063'-66', 69'-72', 77'-80', 84'-87'
4092'-95', 4102'-05', 11'-14' and 4116'-18'

Original Comp OH 4072'-4180'

SOS Consulting, LLC

Drawn by: Ben Stone, 4/25/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.79

API 30-025-20113

1980' FNL & 990' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/31/1963

P&A Date: 6/16/1993

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.D.B. 3609'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

5 sxs Ready Mix
20'-0'

PLUGS:

Sqz Perfs @ 455'
Sqz w/ 170 sxs
Circulate 10 sxs
Tag @ 20'

Loaded Hole w/ Gelled Brine Mud

Spot 25 sxs Cement
2816'-2438'
(Tagged)

CIBP @3800' w/ 25 sxs Cmt
3800'-3641' (Tagged)

Formation Fluids

4180'

TD @ 4194'

Surface Casing

8.625", 24.0# csg. (12.0" Hole) @ 404'
225 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 180

INRUSU 8-18-93. RTXCB X PT X RH X BT X SCRAPER X T80 TO 3800'. POW X RH X CIBP X T80 X SA 3800'. SPOT 25 SX CMT ON TOP OF CIBP X PTS. TEST CSG X CIBP X 800 PSI X DL. TAG CMT 3641' X CIBP 4-1/2" CSG X 10F GEL BRINE MUD. PTO TO 2816 X SPOT 25 SX CMT PLUS FROM 2816' TO 2438'. POW X RH X VAL X PERP X 9-1/8" GUS X 4 OFF X 40A-HS'. PO X VAL ESTD CIRC DOWN 4-1/2" CSG X PERFS UP BETWEEN 4-1/2" CSG X 8-5/8" CSG. PMP 170 SX CLASS C X CIRC TO SX CMT X WOOD. TAG CMT 20' FROM SURF. MCT 5 SX READY MIX FOR SURF PLUG. CUT OFF WELLHEAD X WELD ON P&A MARKERS. CUT OFF DEAD MEN X ROMOSU 8-21-93.

I hereby certify that the information above given and compiled is the best of my knowledge and belief.

DATE: 06-30-93

TYPE OR PRINT NAME: Dennis M. Pison

TELEPHONE NO: (713) 980-7088

(This space for Sign Use)

APPROVED BY: *[Signature]*

DATE: AUG 24 1993

CHARACTER OF APPROVAL: OIL & GAS INSPECTOR

Production Casing

4.5", 11.6# csg. @ (7.875" Hole) 4180'
275 sxs TOC @ 2860' by CBL

SanDril Perfs 4116'-16', 25'-28', 31'-34',
4142'-45', 48'-51', 57'-60' and 65'-68' (2spf)

Openhole 4180'-94'

SOS Consulting, LLC

Drawn by: Ben Stone, 4/26/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.89

API 30-025-21341

2310' FSL & 940' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/26/1965

Convert to Inj.: 12/31/1975

TA'd Status: 7/24/2002

P&A Date: 6/09/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

K.B. 3603'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

15 sxs Fill to Surface
75'-0'

Sqz Perfs @ 322'
Sqz w/ 125 sxs
Tag @ 75'
(Did not Circulate)

Spot 25 sxs Cement
1655'-1430'
(Tagged)
Sqz Perfs @ 1600'
Held 1000 psi

Loaded Hole w/ Mud Ladened Brine

Spot 25 sxs Cement
2730'-2510'
(Tagged)
Sqz Perfs @ 2680'
Held 1000 psi

Spot 25 sxs Cement
4035'-3788'

CIBP @4035'
(Set for 2003 TA Status)

Formation Fluids

4180'

TD @ 4235'

Surface Casing

8.625", 24.0# csg. (11.0" Hole) @ 272'
300 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

6-4-03 Tag Existing CIBP 4035'. Pump M.B. Spot 25 in Class C 4035-3788'. P.O.H.
6-5-03 Perforate 4 SPF 2680'. Not able to pump into perfs 1000 PSI. Spot 25 in Class C 2730-2483'. WOC Tag plug 2610'. Perf 4 SPF 1600'.
6-6-03 Not able to pump into perfs 1000 PSI. Spot 25 in Class C 1655-1408'. WOC Tag plug 1430'. Perf 4 SPF 322'.
6-8-03 Pump 125 in Class C. No Cement to surface. WOC Tag plug 75'. Fillup 5-1/2" casing to surface w/ 15 in Class C. Cut off 3' below ground level Cap & install Dry Hole Marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information given is true and complete to the best of my knowledge and belief.
SIGNATURE: *Robert Gilbert* TITLE: *SR Eng Tech* DATE: *7-10-03*
TYPE OF PRINT NAME: *Robert Gilbert* TELEPHONE NO.: *392-8206*
APPROVED BY: *Harry W. Wanda* TITLE: *OC FIELD REPRESENTATIVE / STAFF MANAGER* AUG 07 2003
CORRECTIONS OF APPROVAL, IF ANY:

Production Casing

5.5", 17.0# csg. @ (7.875" Hole) 4180'
300 sxs TOC @ 2860' by CBL

Perfs 4102', 07', 14', 22', 24', 31',
4140', 45', 47', 49', 63' and 65' (1 spf)

Openhole 4180'-4235'

SOS Consulting, LLC

Drawn by: Ben Stone, 4/26/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.97

API 30-025-22006

990' FSL & 990' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 1/12/1967
Convert to Inj.: 1/05/1976
TA'd Status: 12/03/1997
P&A Date: 10/28/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 45 sxs
400'-0'

P&A Marker

D.F. 3598'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# csg. (12.5" Hole) @ 316'
200 sxs - Circulated to Surface

Remedial Work 1/05/76 - Sqz Hole In Csg - 650'-80' w/ 250 sxs - Circ. Out 50 sxs
D/O & C/O to 4254' - Ready for Injection

Spot 25 sxs
1650' - 1420' (Tagged)

Sqz Perfs @ 1600'
Held 1000 psi

Spot 25 sxs
2650' - 2305' (Tagged)

Sqz Perfs @ 2600'
Held 1000 psi

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | COMMENCE DRILLING OPER. | ☐ |
| OTHER: | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER: | ☐ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1153.

10/27/03 Tagged existing CIBP @ 4028'. Circ. well w/ plugging mud. Spot 25 sxs of cement @ 4028'-3781'. Perf @ 2600' Held 1000 psi. Spot 25 sxs of cement @ 2650'. Tagged @ 2305'. 10/28/03 Perf @ 1600' Held 1000 psi. Spot 25 sxs of cement @ 1650'. Tagged @ 1420'. Spot 45 sxs surface plug 400'-surface.

Cut off wellhead and anchors 7 BGL. Cap well. Installed dry hole marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.



Loaded Hole w/ Plugging Mud

Tagged Existing CIBP @ 4028'
Cap w/ 25 sxs
4028' - 3781'

CIBP @ 4012' w/ 25 sxs Cmt
(Set for 1997 TA Status)

Formation Fluids

4215'

Remedial Work 8/29/83 - PB w/ Sand & CalSeal to 4209 & Sqz Perfs
w/ 325 sxs w/ CIRC @ 4164' - D/O & C/O to 4250' - Return to Injection

Production Casing

5.5", 15.5# J-55 Csg. (7.875" Hole) @ 4215'
300 sxs TOC @ 2627' Calculated

Recompletion

Perfs 4116'-22', 28'-30', 36'-40',
4146'-54' (2spfl)

Perfs 4173'-4210' (Original Completion)

Openhole 4215'-50'

DTD @ 4215' (D/O to 4250')

SOS Consulting, LLC

Drawn by: Ben Stone, 4/27/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.126

API 30-025-26121

1295' FSL & 1365' FWL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 10/28/1978

TA'd Date: 4/14/1992

P&A Date: 10/17/2003

Well plugged by:
Oceidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

G.L. 3594'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 45 sxs
400'-0'

Plugging Mud
between cmt. plugs

Spot 12 sxs
1725'-1475'

Spot 25 sxs
1714'-1473'

Shot perms 2680'
Held 1000 psi

Collapsed Csg. ~2274'
(Swedged thru w/ 7.5"
prior to running new liner)

Spot 25 sxs
2756'-2515'

Shot perms 2680'
Held 1000 psi

Spot Cement
from 3689'-3434'
CIBP @ 3689' for 1992 TA Status

Additional Production Liner

5.5", 14.0# Lnr. w/ 700 sxs
Circ. Out 106 sxs

3rd Comp (Repair 2/18/84) - Collapsed Csg ~2274'
Parted rods & tubing in hole.
Multiple TIH to fish & eventually ret'rd
Set CIBP @ 4000' & run 5.5" liner to 3739'
D/O & C/O to 4225' - Rtn to Production

Surface Casing

11.75", 42.0# H-40 csg. (15.0" Hole) @ 1602'
660 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|------------------------------|-------------------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| RESPONSIBLY ABANDON | ☐ | CHANGE PLUGS | ☐ |
| PULL OR ALTER CASING | ☐ | COMMENCE DRILLING OPERATIONS | ☐ |
| OTHER: | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | ALTERNATE CASING | ☒ |
| | | PLUS AND ABANDONMENT | ☐ |

Decades Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE PAGE 1108

10/18/83 Tagged existing CIBP @ 3689'. Circ. well w/ plugging mud. Spot 25 sxs of cement @ 3675'-3434'.
10/17/83 Perf. @ 2680' Pressured up to 1000 psi. Held. Spot 25 sxs of cement @ 2756'-2515' (No tag Carry Wink Circ Perf @ 1602'.
Pressured up to 1000 psi. Held. Spot 25 sxs of cement @ 1714'-1473'. Spot 45 sxs of cement 400' surface

Cut off wellhead and sections 2' BGL. Capped well. Installed dry hole marker

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE: *[Signature]* TITLE: *SEA Supervisor* DATE: *10-22-07*
TYPE OR PRINT NAME: *Bobby G. Gandy* TELEPHONE NO: *605-757-7574*
(Use space for initials) OC FIELD REPRESENTATIVE II/STAFF MANAGER NOV 10 2003
APPROVED BY: *[Signature]* TITLE: DATE:

Intermediate Casing

8.625", 32.0# Csg. (12.25" Hole) @ 3974' w/ 1200 sxs
Calculated to surface - Circ. 50 sxs

BOL 3739'
TOL 3758'

Production Liner

5.5", 14.0# Lnr. (7.875" Hole) @ 4257' Sqz w/ 155 sxs
Tie back to 8.625"

2nd ReComp - Sqz perms 4041'-4179' w/ 450 sxs
D/O to 4175' - Set CIBP @ 4106' & Sqz w/ 100 sxs
D/O to 4240' - Spot 17 sxs; Set CIBP @ 4207'
Sqz w/ 100 sxs; D/O to 4243'

1st ReComp - Set CIBP @ 4185' & Sqz Exst Perfs w/ 150 sxs - R/O 125 sxs
Perf 4041' to 4179'

Original Comp - Perfs 4196' - 4240'

4257'

DTD 4257'

SOS Consulting, LLC

Drawn by: Ben Stone, 4/27/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.68

API 30-025-07679

660' FNL & 2310' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/15/1937
Convert to Inj.: 12/28/85
TA Status: 5/08/2002
P&A Date: 7/11/2012

Well plugged by:
Occidental Petroleum, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 270' - 0'
Cmt Fill to Surf.

Sqz Perfs @ 270'
Sqz w/ 85 sx

1748'-1044' (Tagged)
Spot 50 sx

3040'-2670' (Tagged)
Spot 30 sx

Circ. Hole w/
Mud Ladened Fluid

CIBP @ 4097'
Cap w/ 25 sx
Calc'd @ 3735'

Formation Fluids

P&A Marker

K.B. 3511'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.75", 50# csg. (17.0" Hole) @ 220'
200 sx - Circulated

W/O - Remedial - Cmt Sqz / Recomplete to Injection: 12/28/85
Perf @ 340' Sqz w/ 500 sx; Perf @ 226' Sqz w/ 500 sx. - Circ.

Intermediate Casing

9.625", 36# csg. (12.25" Hole) @ 1659'
375 sx - TOC @ 561' Calc.

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
SILL OR ALTER CASING ☐ MULTIPLE COMPL. ☐
CIVILIAN COMMENCE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPS. ☐ P AND A ☒
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7/3/12 - WIRU. Unable to bleed off well due to strong flow

7/5/12 - KCB well w/ LSW used
Set CIBP @ 4,897'

7/6/12 - Circ hole w/ MIF. Cap 82' w/ 25sx cmt - CTOC @ 3,735'
Spot 30sx cmt @ 3,840' - CTOC @ 3,686' - Tag @ 2,670'

7/18/12 - Spot 45sx cmt @ 1,748' - CTOC @ 1,897' - Tag @ 1,844'
Perf @ 270'

7/11/12 - Sqz 85sx cmt to surface.

Top off well. RDMO. Cut WH & anchors. Install P&A marker.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Stephens

TITLE: Regulatory Compliance Analyst DATE: 8/3/12

Type or print name: Mark Stephens

E-mail address: Mark_Stephens@ocp.com

PHONE: (713) 366-5158

For State Use Only

APPROVED BY: Mark Stephens

TITLE: Compliance Officer DATE: 08-06-2012

Conditions of Approval (if any):

AUG 6 2012

W/O - Remedial Cmt Sqz: 5/11/81: Perf @ 2952' Sqz w/ 750 sx.
Perf @ 2050' Sqz w/ 750 sx; Perf @ 1820' Sqz w/ 500 sx.
Perf @ 1500' Sqz w/ 300 sx; Perf @ 1500' Sqz w/ 150 sx.
D/O & C/O to 4226' - R'n to Production.

Production / Inter. Casing

7.0", 22# csg. (12.25" Hole) @ 4070'
350sxs - TOC @ 3150' by CBL

Remedial / Recompletion 11/28/85: Convert to Injection;
Sqz OH Interval w/ 625 sx CIs C/TIPlg/2%CaCl
Run 4.5" LNR - Set w/ 700 sx 'C'; Perf 4204'-21'; Cmc Inj.

Production Liner

4.5", 10.6# csg. (6.75" Hole) @ 4245'
700 sx 'C' - TOC @ 300' by CBL

Original Openhole
Completion 4070'-4201'

Perfs 4204'-21'

Orig DTD @ 4201'

TD @ 4226'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/08/2013

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.95

API 30-025-12726

990' FSL & 2310' FEL, SEC. 10-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 6/09/1929

TA Status Dt: 5/08/2002

P&A Date: 10/24/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 70 sx
400' - 0'

Spot 45 sx
1707'-1520' (Tagged)

Circ. Hole w/
Plugging Mud

Spot 40 sx on CIBP
Tagged @ 3452'

CIBP @ 4079'
(Set for 2002 TA Status)

Formation Fluids

P&A Marker

G.L. 3590'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

15.5", 70.0# Csg. (Assumed 17.5" Hole) @ 111'
40 sx - Circ. to Surface

Intermediate Casing

10.5", 50.0# Csg (Assumed 12.25" Hole) @ 1657'
100 sx - Circ. to Surface

Remedial 8/13/81: Ran CBL; Perf @ 1600' & Sqz w/ 475 sx Circ 20 sx to Surfa
Perf @ 500' & Sqz w/ 400 sx; Ran G/R & Temp; Return to Production

<P&A SUBSEQUENT SUNDRY>

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
2940 Pacheco St.
Santa Fe, NM 87505

Form C-103
Revised 5-1-88

| | | | |
|---|--|--|--|
| WELL API NO
30-025-12726 | | STATE
NM | |
| Subsidiary Type of Lease | | LEASE TYPE OF LEASE | |
| Lease Name on Unit Approved Name
South Hobbs (GSA) Unit | | Well Name as Written
Hobbs (GSA) | |
| Type of Well
Oil | | Other: T&O Injection | |
| Name of Operator
Occidental Permian, Ltd | | Address of Operator
1817 Shattuck Rd. Hobbs, New Mexico | |
| Well Location
Section 10, Township 19-S, Range 38-E, Meridian 10-S | | Well Depth
3590' OL | |

| | |
|---|---|
| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | |
| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
| PERFORM REPAIR WORK ☐ | REPAIR AND REPAIR ☐ |
| TEMPORARILY ABANDON ☐ | REPAIR WORK ☐ |
| PULL OR LIFT CEMENT ☐ | COMMENCE DRILLING OPER ☐ |
| OTHER: ☐ | CASING TEST AND CEMENT JOB ☐ |
| | OTHER: ☐ |

*Checkboxes Proposed or Completed Operations (Clearly state all pertinent details, including estimated date of starting any proposed work) SEE RULE 110C

10/27/03 Tagged existing CIBP @ 4079'
10/28/03 Spot 40 sx of cement @ 4079' Tagged @ 3452' Circ. well w/ plugging mud. Spot 45 sx of cement @ 1707' Tagged @ 3520'
10/28/03 Spot 70 sx surface plug @ 400'-surface.

Out off wellhead and enclose 3" BGL. Capset well, installed dry hole marker.

Approved as to plugging of the Well Bore.
Integrity under bond is retained until
surface intervention is completed.

I hereby certify that the information furnished here and complete to the best of my knowledge and belief.
Signature: *Ben Stone* Date: *10-24-03*
Title: *OC Field Representative / Staff Manager*
Approved: *Harry W. Webb* Date: *NOV 10 2003*
Comments of Approval, if any:

Production / Inter. Casing

6.625" (7.0" Nom.), 23.0# csg. (8.75" Hole) @ 4078'
400 sx - TOC @ 1638' by Calc.

1st Recomp 7/26/84: Sqz OH & D/O to 4254'; Run 4.5" LNR; Perf 4170'-80 & 83'-98
Acadz w/ 4000 gals. 15% HCl NEA; Rtn to Prod.

2nd Recomp 9/03/84: Sqz LNR; Re-Perf 4170'-80' / Add Perfs 4183'-4208'; 4216'-25'
Acadz w/ 2500 gals. 15% HCl NEA; Rtn to Prod.

Production Liner

Orig. Comp OH 4078' to 4184' 4.5", 9.5# csg. (6.75" Hole) @ 4254'
Original DTD 4184' 100 sx Class 'C' - TOC @ 3605' (Top of Lnr.)

SOS Consulting, LLC
Drawn by: Ben Stone, 3/13/2013

PLUGGED WELL SCHEMATIC

Pre-Ongard Well No. 1

(Formerly Dunnam Well No. 1)

API 30-025-26330

330' FNL & 1830' FEL, SEC. 11-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/27/1979

P&A Date: 7/31/1979

(D&A Hole)

Well plugged by:
Cola Petroleum, Inc.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 25 sx
348' - 279'

Spot 40 sx
380' - 348'

Spot 40 sx
880' - 760'

Shot & Pulled 5-1/2" @ 830'

Spot 10 sx
1700' - 1600'

* Subsequent to plugging by operator,
landowner made request to OCD district office
on 1/19/1984 to cut marker 4' BGL to cultivate
land. Approved by OCD District Supervisor.
Request in well file.

Spot 15 sx
2750' - 2650'

Load Hole w/
10# Salt Gel Mud

Cap w/ 4 sx - 20'

Set CIPB @ 3987'

P&A Marker 4' BGL*

K.B. 3608'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# Csg (11.0" Hole) @ 350'
260 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| | |
|------------------------|--|
| NO. OF COPIES RECEIVED | |
| DATE RECEIVED | |
| BY | |
| U.S.O.S. | |
| LAND OFFICE | |
| OPERATION | |

1. MEXICO DR. CONSERVATION COLLISION

Form C-262
Supervisor's Use
E-181 and C-181
Effective 1-1-65

| | |
|-------------------------|--|
| Dr. Index - Type of Log | |
| Dr. Index - Type of Log | |

| | |
|---------------------------------------|------------------|
| SUNDRY NOTICES AND PERMITS COLLISIONS | |
| 1. NO. OF COPIES RECEIVED | 2. DATE RECEIVED |
| 3. BY | 4. U.S.O.S. |
| 5. LAND OFFICE | 6. OPERATION |
| 7. MEXICO DR. CONSERVATION COLLISION | |
| 8. FORM C-262 | |
| 9. SUPERVISOR'S USE | |
| 10. E-181 and C-181 | |
| 11. EFFECTIVE 1-1-65 | |

| | |
|--|-----------------------|
| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | SUBSEQUENT REPORT OF: |
| NOTICE OF INTENTION TO: | |
| RELATIVE LOCATION WITH | PROD AND POSSIBLE |
| NEAREST EXISTING WELL | NEAREST EXISTING WELL |
| DATE OF OTHER LOGS | DATE OF OTHER LOGS |
| OTHER | OTHER |

12. Please be prepared to complete corrections (check) cover all pertinent details, and give person in charge, including estimated date of starting any project.

7/31/79 - Operation to P&A.
Set CIPB @ 4160', capped with 4 man (20') cm.
Loaded hole with 10#/gal. gel salt mud
Set cm. plugs 2750 - 2650 cm. with 13 man.
1700 - 1600 cm. with 13 man.
Cut & pulled 5-1/2" csg. from 830' to surface
Set cm. plugs: 880 - 760 w/40 man
360 - 348 w/40 man
348 - 279 w/25 man
Set marker and filled cellar with cm.

| |
|---|
| 13. I hereby certify that the information stated is true and complete to the best of my knowledge and belief. |
| Signature: <i>James E. Sullivan</i> |
| Supervisor of Operations |
| Date: 8/28/79 |
| Oil & Gas |
| Approval of Approval, if any |

Production Casing

5.5", 15.5# csg. (7.875" Hole) @ 4300'
200 sx - TOC @ 3241' Calc.

Perfs 4166' - 4205'

Perfs 4250' - 58'

4300'

DTD @3235'



Drawn by: Ben Stone, 3/13/2013

**SECTIONS
14 & 15**

PLUGGED WELL SCHEMATIC

Pre-Ongard Well No.1

(Formerly Wright Well No.6)

API 30-025-07686

2310' FSL & 330' FWL, SEC. 14-T19S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Amoco Production Co.

Spud Date: 11/25/1929

Orig. P&A Date: 3/01/1930

Replug P&A Date: 3/08/1984

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

G.R. 3654'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Spot 225 sx 250' - 0'

136'

Spot 130 bbls 25# Gel

Spot w/ 100 sx @ 1050'
Across 10-3/4" Stub
(Calc. to 970')

Shot & Pulled 10-3/4" @ 1035' (1930)

Spot 48 bbls 25# Gel

Spot w/ 100 sx
Across 8-5/8" Stub
(Calc. to 3000')

1672'

Note: Well was originally plugged in 1930 using wooden bridge plugs and casing strings were cut & retrieved. Amoco re-entered and replugged the well in 1984 due to NMOC ruling. Sundry shown is the intent from Amoco. See note below left, found in well file indicating completion of replugging. Called Hobbs OCD to verify.

Spot 99 bbls 25# Gel

Spot w/ 100 sx
Across 8-5/8" Stub
(Calc. to 3000')

Shot & Pulled 8-5/8" @ 3181' (1930)

↑ (Plugs Above by Amoco P&A) ↑

Operator: *Amoco Prod. Co. (Hawkins, G. & H.)*
Lease & Well No.: *Wright # 6-2*
1/2" x 3/4" Casing: *2310' FSL & 330' FWL*
Type Well: *P&A (Replug)*
County: *Lea*

Date C-198 Approved: *3/10/84*
Notes: *Jerry Senter said this well was replugged. Amoco did not ever file abandonment report. They owned the lease but G. Hawkins to handle it. Could not locate. John Breckenridge. said well was replugged.*

(From Original P&A)
Set Wooden Plug @ 4235'
Cap w/ 10 sx Cmt & Rock
to 4185'

Openhole 4072' to 4500'

DTD 4500'

Surface Casing

15.5", 70.0# Csg. (Assumed 17.5" Hole) @ 136'
40 sx Incon - Circ. to Surface

Intermediate Casing

10.75", 45.5# Csg (Assumed 12.25" Hole) @ 1672'
40 sx - TOC 1572' by Calc.

<P&A INTENT SUNDRY>

| | |
|---|-------------------------------|
| STATE OF NEW MEXICO | |
| ENERGY AND NATURAL RESOURCES DEPARTMENT | |
| NAME OF OPERATOR | AMOCO PRODUCTION COMPANY |
| ADDRESS OF OPERATOR | P. O. Box 68, Hobbs, NM 88240 |
| WELL NO. | 2310 |
| SECTION | 14 |
| TOWNSHIP | 19-S |
| RANGE | 38-E |
| WELL DEPTH | 3603.0 |

OIL CONSERVATION DIVISION
P. O. BOX 2094
SANTA FE, NEW MEXICO 87501

Form C-202
Revised 12-1-77

| | |
|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | |
| NOTICE OF INTENTION TO: ☐ PLUG AND ABANDON ☐ REPLUG ☐ OTHER | |
| CHECK APPROPRIATE BOX TO INDICATE STATUS OF NOTICE, REPORT OR OTHER DATA | |
| PROPOSED TO REPLUG (due to an NMOC ruling) as follows: | SUBSEQUENT REPORT OF: |
| <p>Cut off cap and permanent abandonment marker to re-enter the well. Run in hole with workstring and bit for 15-1/2" 70# casing. Drill out cement and wooden plugs at 80' and 135'. Tag top of 10-3/4" casing cut point at 1050'. Circulate hole clean and pull out of hole. Run in hole with workstring. Spot 100 sx class C cement across the 8-5/8" casing cut point at 3181'. Tag top of plug. Spot 99 bbls of 10# brine with 25# gel per bbl. Spot 45 sx class C cement across the 10-3/4" casing shoe at 1672'. Tag top of plug. Spot 48 bbls of 10# brine with 25# gel per bbl. Spot 65 sx class C cement across the 10-3/4" casing cut point at 1050'. Tag top of plug. Spot 130 bbls of 10# brine with 25# gel per bbl. Spot 225 sx class C cement from 250' to surface. Weld on cap and erect a permanent abandonment marker.</p> | <p>8-5-NMOC, H T-R. E. Ogden, HOU No. 21-150 T-F. J. Nash, HOU No. 4-206 T-800</p> |

| | |
|--|--|
| PROPOSED TO REPLUG (due to an NMOC ruling) as follows: | SUBSEQUENT REPORT OF: |
| <p>Cut off cap and permanent abandonment marker to re-enter the well. Run in hole with workstring and bit for 15-1/2" 70# casing. Drill out cement and wooden plugs at 80' and 135'. Tag top of 10-3/4" casing cut point at 1050'. Circulate hole clean and pull out of hole. Run in hole with workstring. Spot 100 sx class C cement across the 8-5/8" casing cut point at 3181'. Tag top of plug. Spot 99 bbls of 10# brine with 25# gel per bbl. Spot 45 sx class C cement across the 10-3/4" casing shoe at 1672'. Tag top of plug. Spot 48 bbls of 10# brine with 25# gel per bbl. Spot 65 sx class C cement across the 10-3/4" casing cut point at 1050'. Tag top of plug. Spot 130 bbls of 10# brine with 25# gel per bbl. Spot 225 sx class C cement from 250' to surface. Weld on cap and erect a permanent abandonment marker.</p> | <p>8-5-NMOC, H T-R. E. Ogden, HOU No. 21-150 T-F. J. Nash, HOU No. 4-206 T-800</p> |

Propose to replug (due to an NMOC ruling) as follows:

Cut off cap and permanent abandonment marker to re-enter the well. Run in hole with workstring and bit for 15-1/2" 70# casing. Drill out cement and wooden plugs at 80' and 135'. Tag top of 10-3/4" casing cut point at 1050'. Circulate hole clean and pull out of hole. Run in hole with workstring. Spot 100 sx class C cement across the 8-5/8" casing cut point at 3181'. Tag top of plug. Spot 99 bbls of 10# brine with 25# gel per bbl. Spot 45 sx class C cement across the 10-3/4" casing shoe at 1672'. Tag top of plug. Spot 48 bbls of 10# brine with 25# gel per bbl. Spot 65 sx class C cement across the 10-3/4" casing cut point at 1050'. Tag top of plug. Spot 130 bbls of 10# brine with 25# gel per bbl. Spot 225 sx class C cement from 250' to surface. Weld on cap and erect a permanent abandonment marker.

8-5-NMOC, H T-R. E. Ogden, HOU No. 21-150 T-F. J. Nash, HOU No. 4-206 T-800

THE STATE OF NEW MEXICO
24 HOURS NOTICE TO RE-ENTER WELL

15.5" SURFACE CASING OF 70.0# CSG. (ASSUMED 17.5" HOLE) @ 136'

10.75" INTERMEDIATE CASING OF 45.5# CSG. (ASSUMED 12.25" HOLE) @ 1672'

APPROVED BY: *Harry C. Clark* TITLE: *Asst. Admin. Analyst* DATE: *3-8-84*

APPROVED BY: *AR. R.A. Senter* TITLE: *Asst. Admin. Analyst* DATE: *MAR 12 1984*

Production / Inter. Casing

8.625", 36.0# csg. (Assumed 10.25" Hole) @ 4072'
80 sx - TOC @ 3770' by Calc.

SOS Consulting LLC

Drawn by: Ben Stone, 3/12/2013

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.98

API 30-025-07700

330' FNL & 330' FEL, SEC. 14-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 9/29/1962
Convert to Inj.: 1/15/1976
TA Status Dt: 12/08/1997
P&A Date: 7/07/2009

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>
PLUGS:

Sqz w/ 125 sx to Surf.
& Leave Hole Full

Sqz Perfs 353'

Spot 35 sx
1650' to 1232'
(Tagged)

Sqz Perfs 1600'
Could not pump into
(OCD OK'd to Spot Plug)

Sqz Perfs 2680'
Sqz w/ 35 sx
Tag @ 2463'

Circ. Hole w/
Salt Gel Mud

Spot 25 sx
3987' to 3609'

Set CIPB @ 3987'

(Well was TA'd w/ PKR in Hole)

Formation Fluids

P&A Marker

D.F. 3614'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 28.0# Csg (12.25" Hole) @ 303'
175 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| | | |
|---|---|--|
| State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2048 Pacheco St.
Santa Fe, NM 87505 | | WELL API NO
30-025-07700
Indicate Type of Lease
STATE ☐ FEDERAL ☒
Lease Name or Unit Agreement Name
South Hobbs (GSA) Unit |
| SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | | |
| Type of Well
OIL ☒ GAS ☐ OTHER ☐ | Name of Operator
Occidental Permian, LTD
Address of Operator
1017 W. Stansford Rd. Hobbs, New Mexico | |
| Well Location
Unit Letter A Section 16 Township 19S Range 38E | Line and 29S | Well No
98 |
| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:
PERFORM PRODUCTION WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPERATIONS ☐ PLUG AND ABANDONMENT ☒
FULL OIL RES CASING ☐ CASING TEST AND CEMENT JOB ☐
OTHER: ☐ | | |
| SUBSEQUENT REPORT OF:
Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated date of drilling any proposed work) SEE RULE 1103.
7-3-03 500 CBHP @ 3987'
7-4-03 Circulate Hole Salt Gel Mud. Spot 25 in Class C 3987-3909'.
7-7-03 Perforate 4 SPF @ 2680'. Sequence 35 in Class C WOC. Tag Plug @ 2463'. Perforate 4 SPF @ 1600'. Could not pump into perfs O.K. Sludgy INHIBITORS to spot plug.
7-8-03 Spot 25 in Class C 1600-1232'. WOC. Tag Plug @ 1232'. Perforate 4 SPF @ 353'. Circulate 125 in Class C up Annulus & leave casing full.
Cut off & install Dry Hole Marker | | |
| Approved as to plugging of the Well Bore.
Liability under bond is released until
surface restoration is completed. | | |
| I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE: <u>Ben Stone</u> TITLE: <u>P&A Supervisor</u> DATE: <u>7-8-03</u>
TYPE OF PRINT NAME: <u>BEN STONE</u> TITLE: <u>P&A SUPERVISOR</u> DATE: <u>7-8-03</u>
Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
APPROVED BY: <u>Harry W. White</u> OC FIELD REPRESENTATIVE INITIALS: <u>AW</u> DATE: <u>AUG 07 2003</u>
CONDITIONS OF APPROVAL: <u>None</u> | | |

Production Casing

4.5", 11.6# Csg. (6.75" Hole) @ 4153'
200 sx - TOC @ 3000' by Temp

2nd Recomp 6/19/91: Add Perfs 4080' & 4120'; Acidize & Rtn to Injection.

Perfs 4087'-89'; 4096'-97'; 4116'-20'; 4125'-26' (Original Completion)

1st Recomp 7/27/79: Deepen to 4260'; Acidize & Rtn to Injection.

TD @ 4155' Original

Openhole 4153' to 4260' (Recomp.)

DTD @ 4260'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/12/2013

PLUGGED WELL SCHEMATIC **South Hobbs (GSA) Well No.101**

API 30-025-07688

990' FNL & 2310' FWL, SEC. 15-T19S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 4/20/1930

TA Date: 12/09/1997

P&A Date: 5/14/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 60 sxs
 187'-0'

P&A Marker

D.F. 3599'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

16.0" , 70.0# csg. (Assumed 19.5" Hole) @ 130'
 50 sxs El Toro - TOC @ 52' Calc

Intermediate Casing

10.75", 45.5# csg. (Assumed 13.75" Hole) @ 1647'
 75 sxs El Toro - TOC @ 1475' Calc

Spot 55 sxs
 1700'-1460' (Tagged)

Remedial Work 3/01/80

Set CIBP @ 3901'. Sqz perfs @ 3550' & CIBP @ 3300'

Sqz w/ 500 sxs - TOC @ 2975' by Temp

Sqz perfs @ 2840'; CIBP @ 2745'; Sqz w/ 500 sxs; TOC 2546' Temp

Sqz perfs @ 2456'; CIBP @ 2346'; Sqz w/ 450 sxs; TOC 1780' Temp

Sqz perfs @ 1640'; CIBP @ 1536'; Sqz w/ 150 sxs; TOC 1490' Temp

Sqz perfs @ 1450'; CIBP @ 1350'; Sqz w/ 300 sxs; Circ to Surf

D/O All CIBPs to 4257' @ 2745'; Sqz w/ 500 sxs; TOC 2546' Temp

1647'

Spot 25 sxs
 2695'-2595'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:

| | | | | | | | |
|-----------------------|--------------------------|------------------|--------------------------|----------------------------|--------------------------|----------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLUGS | ☐ | COMMENCE DRILLING OPS | ☐ | PLUG AND ABANDONMENT | ☒ |
| PULL OR ALTER CASING | ☐ | | ☐ | CASING TEST AND CEMENT JOB | ☐ | | ☐ |
| OTHER: | ☐ | | ☐ | OTHER: | ☐ | | ☐ |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1102.

TD 4300' PBTD 4257' 16" csg 130', 10 3/4" 1647', 6.58 csg 4010' CIBP @ 3912'

5-13-03 Tagged existing CIBP @ 3912' Circ well w/ M.L.F. Spot 25 sxs of cement @ 3912'-3812'. Spot 25 sxs of cement @ 2695'-2595'.
 Spot 55 sxs of cement @ 1700'. Tagged @ 1460'
 6-14-03 Spot 60 sxs of cement @ 187'-surface.

Cut off wellhead and anchor 4" BGL. Cap well. Install dry hole marker. Clean Location

Approved as to plugging of the Well
 Liability under bond is retained
 surface restoration is complete

I hereby certify that the information above is true and complete to the best of my knowledge and belief
 SIGNATURE: Robert G. Galt TITLE: SE Engr Tech DATE: 6-16-03
 TYPE OF PRINT NAME: _____ TELEPHONE NO.: _____
 (The operator's name)
 APPROVED BY: Henry J. Wink OC FIELD REPRESENTATIVE & STAFF MANAGER
 CONDITIONS OF APPROVAL, IF ANY: _____ AUG 07 2003

Mud Ladened Fluid
 Between Plugs

Spot 25 sxs on Existing CIBP
 3912'-3812'
 CIBP @ 3912'
 Set for 1997 TA Status

Production Casing

8.625", 36.0# Csg (Assumed 9.875" hole) @ 4011'
 75 sxs El Toro - TOC @ 3466' Calc

4011'

Formation Fluids

Openhole 4011'- 4256'

PBTD 4256'

DTD @ 4178' - D/O to 4300'

SOS Consulting, LLC

Drawn by: Ben Stone, 4/30/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.102

API 30-025-07689

330' FNL & 2310' FEL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 4/22/1930

TA Status: 12/02/1997

P&A Date: 5/15/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 15 sxs
65'-0'

Sqz Perfs 225'
Sqz w/ 50 sxs
Tagged @ 65'

Spot 35 sxs
1665'-1435' (Tagged)
Sqz Perfs 1600'
Held 1000 psi

Spot 35 sxs
2730'-2505' (Tagged)
Sqz Perfs 2680'
Held 1000 psi

Mud Ladened Fluid
between cmt. plugs

Spot 35 sxs
3310'-3110' (Tagged)
Sqz Perfs 3257'
Held 1000 psi

Spot 35 sxs on CIBP
4036'-3712'
CIBP @ 4036'
Set for 1997 TA Status

Formation Fluids

P&A Marker

G.L. 3587'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# csg. (Assumed 13.75" Hole) @ 164'
100 sx - Calculated to Surface - Not reported

Remedial Work 9/22/81

Plug & PKR to locate leak. Set CIBP @ 3800' w/ 15' sand
Set CICK @ 3200' & Sqz w/ 450 sxs - Circ 64 sxs out intermediate
Sqz perfs @ 225' & Sqz w/ 500 sxs Circ to Surf

Intermediate Casing

8.25", 32# csg. (Assumed 9.625" Hole) @ 3207'
600 sxs - Calculated to Surface - Not reported

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | | | | | | | |
|-----------------------|--------------------------|------------------|--------------------------|----------------------------|--------------------------|----------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPS | ☐ | PLUS AND ABANDONMENT | ☒ |
| PULL OR ALTER CASING | ☐ | | | CASING TEST AND CEMENT JOB | ☐ | | |
| OTHER: | ☐ | | | OTHER: | ☐ | | |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5-15-80 Tag existing CIBP @ 4036' Circ. well w/ M.L.F. Spot 35 sxs of cement @ 4036-3712' Perf @ 3257'
5-16-80 Pressured up on perfs to 1000 psi Spot 35 sxs of cement @ 3310' Tag @ 3110' Perf @ 2680'
5-18-80 Pressured up on perfs to 1000 psi. Spot 35 sxs of cement 2730' Tag @ 2505'
5-20-80 Perf @ 1600' Pressured up on perfs no injection rate Spot 35 sxs of cement @ 1665' Tag @ 1435'
Perf @ 214' Establish injection rate but no circulation to surface. Squashed 58 sxs of cement Tag @ 85'
5-21-80 Spot 15 surface plug 65'-surface
Approved as to plugging of the Well Bore.
Liability under bond is retained until
Cut off wellhead and anchors T80L Cap well. Install dry hole marker/surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Robert G. Gilbert TITLE: SR Engr Tech DATE: 6-5-03

TYPE OR PRINT NAME: Robert G. Gilbert TELEPHONE NO: 397-8206

(The space for Sign Line)

APPROVED BY: Henry W. L. L. TITLE: OC FIELD REPRESENTATIVE / STAFF MANAGER DATE: AUG 07 2003

CONDITION OF APPROVAL, IF ANY

Intermediate Casing

7.0", 24# csg. (Assumed 7.875" Hole) @ 3995' w/ 50 sxs
TOC @ 3349' by Calc

2nd Recomp 4133', 35',
37', 40', 42', 48, 51', 61',
64' and 4166'

1st Recomp (8/67)

Sqz OH w/ 100 sx - Set 4.5" Lnr

Perf 4179', 81', 82', 89', 91'

Immediately Sqz'd Perfs

Production Liner

4.5", 9.5# csg. (Assumed 5.625" Hole) @ 4178'
Cmt Lnr w/ 100 sxs - Circ. TOL
TOC @ Calc. to Top of Lnr.

Original Comp OH 3975'-4170'

PBTD 4170'

DTD @4198'

SOS Consulting, LLC

Drawn by: Ben Stone, 4/30/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.108

API 30-025-07690

2310' FSL & 2310' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/06/1961

TA Status: 1/29/1998

P&A Date: 6/03/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

K.B. 3605'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 15 sxs
77'-0'

Tag Cmt Plug @ 77'

Sqz Perfs @ 460'

Sqz w/ 130 sxs
@ 1000 psi

Tag Cmt Plug @ 2370'

Sqz Perfs @ 1600'

Sqz w/ 35 sxs
@ 1000 psi

Mud Ladened Fluid
between cmt. plugs

Tag Cmt Plug @ 2370'

Sqz Perfs @ 2680'

Sqz w/ 50 sxs
@ 1500 psi

Tag CIBP @ 4000'

Spot 35 sxs
4000'-3622'

CIBP @ 3959'
Set for 1998 TA Status

Formation fluids

4215'

PBTD @ 4186'

DTD @ 4215' (D/O 4220')

Surface Casing

8.625", 24.0# Csg. (11" Hole) @ 410'
200 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
|---|--------------------------|----------------------------|-------------------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PAUL OR ALTER CASINO | ☐ | OTHER | ☐ |
| | | REMEDIATION WORK | ☐ |
| | | ALTERING CASINO | ☐ |
| | | COMMENCE DILLING OPS | ☐ |
| | | CASINO TEST AND CEMENT JOB | ☐ |
| | | PLUG AND ABANDONMENT | ☒ |

5-28-03 Tag Existing CIBP @ 4000' Circ. with M.L.F. Spot 25 sxs of cement 4000'-3622'
5-30-03 Perf @ 2680' Squeezed 50 sxs of cement under a packer @ 1500 psi. Tagged @ 2370'
6-3-03 Perf @ 1600' Squeezed 35 sxs of cement under a packer @ 1000 psi. Tagged @ 1370'
6-3-03 Perf @ 460' No circulation up annulus to surface. Squeezed 130 sxs of cement. Tagged @ 77' Fill up 4 1/2 casing w/ 15 sxs cement

Out of wellhead and anchors 3" BGL. Cap well. Install dry hole marker. Clean location.

Approved as to plugging of the Well &
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signature: Robert Gilbert Title: SE. Eng. Tech Date: 6-5-03

Typed or Printed Name: Robert Gilbert Telephone No: 397-8305

(For use by Occidental)

APPROVED BY: Harry W. Wink TITLE: OC FIELD REPRESENTATIVE W/STAFF MANAGER DATE: AUG 07 2003

CONDITION OF APPROVAL, IF ANY:

Production Casing

4.5", 10.5# Csg. (7.75" Hole) @ 4215'
270 sxs - TOC @ 3075' - Calculated

1st Recom (1/07/84) - D/O & C/O to 4220'
Added Perfs 4009'-18', 30'-33', 50'-55', 63'-69',
4161'-65', 85'-85', 4200'-02', 04'-12'

SanDril Perfs 4116'-19', 25'-28', 31'-34',
4142'-45', 48'-51', 57'-60' and 65'-68' (2apf)

SOS Consulting, LLC

Drawn by: Ben Stone, 5/05/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.103

API 30-025-07691

990' FNL & 2310' FEL, SEC. 15-T19S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 4/21/1930

SI Status: 7/31/1967

P&A Date: 11/28/1986

Note: Well was shut-in from 1967 to 1974

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 33 sxs
PKR @ 211'



Surface Casing

12.5", 50# csg. (Assumed 13.75" Hole) @ 166'
100 sxs - Circulated to Surface

Intermediate Casing

8.25", 32# csg. (Assumed 9.625" Hole) @ 3186'
700 sxs - Calculated to Surface - Not reported

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | | |
|-----------------------|------------------|------------------|------------------|------------------|
| PROPOSED MODIFICATION | PLUG AND ABANDON | REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT |
| REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT |
| REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT | REINFORCE CEMENT |

1. A. I hereby certify that the information above is true and correct to the best of my knowledge and belief.

MI-RUSU 11-28-86. Install BOP. RIH w/6-1/8 bit, 2-3/8 workstring and tag at 4094. Raise bit to 3989'. Displace hole w/150 bbls 10# brine. Rev. circ. 30 bbl 10# brine. RIH 2-3/8 tubing to 4084' and spot 100 sx Class C plug. Disp w/12 bw. Pull tubing to 3294'. POH RIH w/casing gun and perf 3236-3237 4 SPF. Load 7" casing w/19 bbls 10# brine. Pressure up 10009. Held ok. Run Baker 7" fullbore 2-3/8 workstring to 3501'. Tag. Spot 16 bbls 10# brine gel. Pull tubing to 3267 and spot 250 gals 15% HCL. Raise and set packer to 3075'. Pressure up to 20009 and establish inj. rate 1 BPPM, pump 50 bbls. Broke circulation out 8-1/4" casing. Release packer and raise to 2919'. Spot 350 sx Class C neat and disp. w/17 bbls water. Circulate 72 sx cement out 8-1/4" casing. Release packer, pull tubing and packer. Run 2-3/8 tubing open ended. Tubing at 3106'. Disp. hole w/17 bbl 10# brine gel. Tubing land at 1772'. Spot 25 sx cement. Pull up to 211'. Disp hole w/32 sx Class C neat. Remove BOP. Deg out cellar. Cut off 7" casing. Install P&A marker. RD-RDSU 12-4-86.

Steve Brownlee Admin. Analyst 12-9-86
Oil & Gas Inspector JAN 2 6 1987

Production Casing

6.625", 24# csg. (Assumed 7.875" Hole) @ 3997'
50 sxs - TOC @ 3740' by Calc

Spot 350 sxs w/
PKR @ 2919'
Circ. 72 sxs out 8.25"
3126'
P/U PKR to 3075'
Spot 15% Acid & Circ. 8.25" Csg.
Sqz Perfs 3236'
Held 1000 psi

Spot 100 sxs @ 4084'

Openhole 3997'-4094'

TD @4822'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/05/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.107

API 30-025-07692

1650' FNL & 2310' FEL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Occidental Permian, LTD

Spud Date: 4/21/1930

SI Status: 5/10/1971

Convert to Inj.: 1/21/1976

TA Status: 3/02/1999

P&A Date: 5/28/2003

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 5 sxs
35'-0'

Szq Perfs @ 250'
Circulate w/ 135 sxs
Tag @ 35'

Szq Perfs @ 1600'
Could not Pump In
Spot 35 sxs on CIBP
1650'- 1425' (Tagged)

Szq Perfs @ 2660'
Could not Pump In
Spot 35 sxs on CIBP
2730'- 2522' (Tagged)

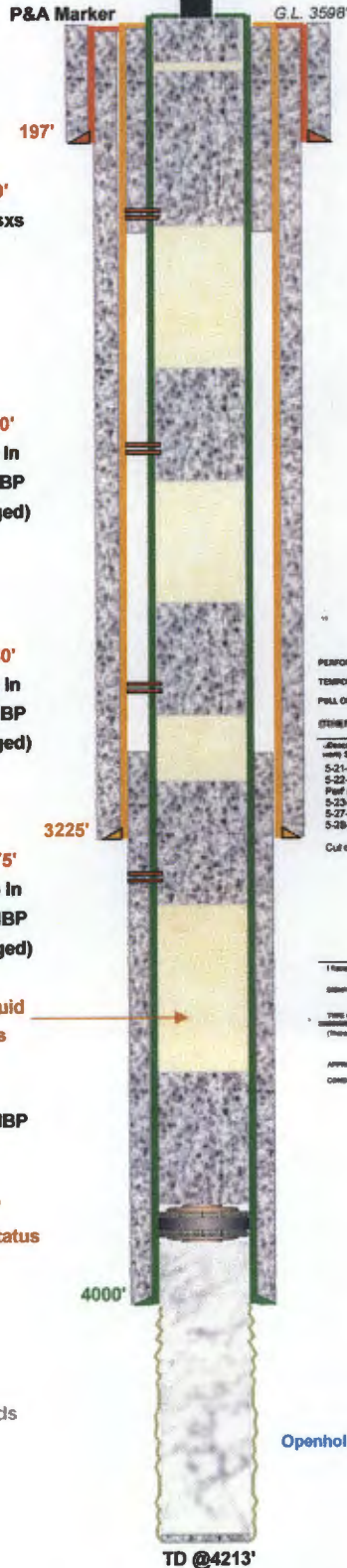
Szq Perfs @ 3275'
Could not Pump In
Spot 35 sxs on CIBP
3310'- 3125' (Tagged)

**Mud Ladened Fluid
Between Plugs**

**Spot 25 sxs on CIBP
3925'- 3772'**

CIBP @ 3925'
Set for 1999 TA Status

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

13.0", 50# csg. (Assumed 13.75" Hole) @ 197'
100 sxs - Circulated to Surface

Intermediate Casing

8.625", 32# csg. (Assumed 9.625" Hole) @ 3225'
600 sxs - Calculated to Surface - Not reported

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHASSIS PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

Abstracts Prepared on Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE PAGE 1103

5-21-03 Tag Existing CIBP @ 3925'
5-22-03 Circ. well w/ M.L.F. Spot 25 sxs of cement 3625-3772'
Perf @ 3275' Not able to pump in. Spot 35 sxs of cement @ 3910' Tagged plug @ 3125'
5-23-03 Perf @ 2660' Not able to pump in. Spot 35 sxs of cement @ 2730' Tagged plug @ 2522'
5-27-03 Perf @ 1600' Not able to pump in. Spot 35 sxs of cement @ 1650' Tagged plug @ 1425'
5-28-03 Perf @ 250' Circ. well w/ 135 sxs of cement WOC Tagged @ 35' Fill casing to surface

Cut off wellhead and install 3" BCL. Cap well. Install dry hole marker. Clean location

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information shown is true and complete to the best of my knowledge and belief

Signature: Robert Gilbert Title: SP. Eng. Tech Date: 6-5-03

Typed or Printed Name: Robert Gilbert Telephone No.: 392-8206

Approved by: Henry W. Wink Field Representative (Staff Manager) Date: MAY 07 2003

Intermediate Casing

7.0", 24# csg. (Assumed 7.875" Hole) @ 4000'
75 sxs - TOC @ 3031' by Calc

Openhole 4000'-4213'

TD @ 4213'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/09/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.106

API 30-025-07693

1650' FNL & 2310' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/06/1929

TA Status: 1/27/1992

P&A Date: 12/04/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 20 sxs
20'-0'

Spot 35 sxs 300'
349'-211'

Spot 35 sxs
1742'-1604'

Spot 45 sxs
2955'-2778'

Sqz Perfs 2904'
Held 1000 psi

Spot 35 sxs
3789'-2927'

Mud Ladened Fluid
between cmt. plugs

CIBP @ 3939'
Set for 1992 TA Status

Formation Fluids

P&A Marker D.F. 3603'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

15.5", 70# csg. (Assumed 17.5" Hole) @ 300'
75 sxs - TOC @ 109' - Calculated

Remedial Work 10/09/81

Set RBP @ 3950' w/ 15' sand
Perf @ 1600' & Sqz w/ 320 sxs - Circ 63 sxs
Perf @ 350' & Sqz w/ 275 sxs - Circ 60 sxs
D/O & C/O; Rtn to Production

Intermediate Casing

10.75", 45.5# csg. (Assumed 13.75" Hole) @ 2854'
500 sxs - TOC @ 1753' Calculated

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: **SUBSEQUENT REPORT OF:**

| | | | |
|--|---|---|--|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING CPNS ☐ | PLUG AND ABANDONMENT ☒ |
| PULL OR ALTER CASING ☐ | | CASING TEST AND CEMENT JOB ☐ | |
| OTHER ☐ | | OTHER ☐ | |

12 Describe Progress of Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE HOLE LOG.

- 12/01/97 YIELD UNIT, RIN W/TIG, TAG CIBP @ 3940'.
- 12/02/97 CIRC HOLE W/HLF.
- 12/02/97 PUMP 35 SXS CLASS "C" FROM 2927'-3789'.
- 12/02/97 PERF @ 2904'.
- 12/03/97 SET PER @ 2800', USABLE TO PUMP INTO, 1000#, NO BLEED OFF.
- 12/03/97 PUMP 45 SXS FROM 2955'-2778'.
- 12/03/97 PUMP 35 SXS FROM 1742'-1604'.
- 12/03/97 PUMP 35 SXS FROM 349'-211'.
- 12/04/97 PUMP 20 SXS FROM 20'-SUBF.
- 12/04/97 RD P&A EQUIPMENT, CUT OFF WELL HEAD, INSTALL DRY HOLE MARKER.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

NAME: Milton Heatherly TITLE: P&A SUPERVISOR DATE: 12/4/97

TYPE OF REPORT: WELL LOG TELEPHONE NO: 915-530-0907

(This space for item 12)

APPROVED BY: JCS DATE: 12/4/97

Intermediate Casing

8.625", 36# csg. (Assumed 9.875" Hole) @ 4080'
100 sxs - TOC @ 3300' Calculated

TOL 3975'

2nd Recom (11/16/79)

Deepen to 4213' & Acidize

1st Recom (5/82)

Set 4.5" Lnr & perfed 4137'-40'

Immediately Sqz'd above.

Production Liner (Run 5/62)

SanDril Perfs 4076'-79', 83'-86 4.5", 9.5# csg. (Assumed 5.625" Hole) @ 4161'

4096'-99', 4104'-07', 08'-12' Cmt Lnr w/ 60 sxs - TOC @ Calc. to TOL

Original Comp OH 4080'-4166'

DTD 4166' (D/O to 4213')

SOS Consulting, LLC

Drawn by: Ben Stone, 5/10/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.100

API 30-025-07694

330' FNL & 2310' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/02/1930

Convert to Inj.: 12/23/1975

TA Date: 12/10/1997

P&A Date: 7/21/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 25 sxs
240' - 0' 129'

Sqz Perfs 167'
Held 1000 psi

Hole loaded w/ Plugging Mud

Spot 25 sxs
1733'-1347' (Tagged)

Sqz Perfs 1683'
Held 1500 psi

Spot 25 sxs
2730'-2450' (Tagged)

Sqz Perfs 2680'
Held 1500 psi

Spot 25 sxs
4050'-3803'

CIBP @ 4050'

2nd Recom - Sqz & PB to 4190'
Perf 4140'-46', 50'-54'
Begin Injection

P&A Marker

D.F. 3593'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

16.0" 70# csg. (Assumed 19.75" Hole) @ 117'
75 sxs El Toro - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM INITIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLUGS | ☐ |
| PLUG OR ALTER CEMENT | ☐ | CHANGE TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

Approved as to plugging of the Well by
Liability under bond is null and void
surface restoration is complete

7-19-03 Set CIBP @ 4050' Circulate well of plugging mud. Spot 25 sxs of cement @ 4050'-3803'.
Perf @ 2680' Pressured up on perfs to 1500 psi-Held Spot 25 sxs of cement 2730' Tagged @ 2450'
7-21-03 Perf @ 1683' Pressured up to 1500 psi-Held Spot 25 sxs of cement 1733' Tagged @ 1347' Perf @ 167' Pressured up to 1000
psi-Held Spot 25 sxs of cement 240'-surface

Out of wellhead and anchors 2782'. Cap well. Install dry hole marker.

Approved as to plugging of the Well by
Liability under bond is null and void
surface restoration is complete

Robert Gillett
Robert Gillett
Honeywell
OC FIELD REPRESENTATIVE & STAFF MANAGER
AUG 07 2003

Sqz Perfs 1385'

650 sxs cement

Csg Leak 1622'-32'

300 sxs cement

Sqz Perfs 2385'

1000 sxs cement

Csg Leaks

3262'-85'; 2821'-57'

Sqz Perfs 3350'

220 sxs cement

Intermediate Casing

10.75" 45.5# csg. (Assumed 13.75" Hole) @ 1633'
75 sxs El Toro - 1461' Calculated

Remedial work 1/21/80 (Rtn. to Inj.)

Production Casing (Original)

8.625" 36.0# csg. (Assumed 9.875" Hole) @ 4000'
75 sxs El Toro - TOC @ 3455' Calculated

Production Casing (Ran 9/81)

5.5" 14.0# csg. (Assumed 8.625" Hole) @ 4151'
60 sxs to TOL

1st Recom - Sqz OH w/ 95 sxs - CIBP @ 4130' Cap 5 sxs
SanDrill Perfs 4059'-62', 69'-72', 77'-80',
85'-88', 97'-4100', 03'-06', 12'-15',

Openhole 4000'-4364' (Original Completion)

PBTD @ 4190'

DTD @ 4364'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/11/2012

PLUGGED WELL SCHEMATIC

J.H. Moore Well No.1

API 30-025-07695

1980' FSL & 660' FWL, SEC. 15-T19S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 10/05/1961

P&A Date: 11/19/1964

Well plugged by:
Texaco, Inc.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Spot 5 sxs
180'-0'

P&A Marker

D.F. 3600'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

7.625", 15.28# csg. (9.875") @ 439'

200 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| NEW MEXICO OIL CONSERVATION COMMISSION | | | | | | FORM C-100
(Rev 1-58) |
|--|----------------|--|-------------------------|-------------------------|-----------------------|---|
| MISCELLANEOUS REPORTS ON WELLS | | | | | | |
| (Submit to appropriate District Office on per Commission Rule 1786) | | | | | | |
| Name of Company
TEXACO Inc. | | Address
P. O. Box 728 - Hobbs, New Mexico | | | | |
| Well No.
1 | Unit
1 | Section
15 | Township
19-S | Range
38-E | | |
| Date Well Permitted
November 19, 1964 | Field
Hobbs | County
Lea | | | | |
| THIS IS A REPORT OF: (Check appropriate block) | | | | | | |
| ☐ Exploring Well Operations | | | | | | |
| ☐ Casing Test and Cement Job | | | | | | |
| ☐ Other (Specify) | | | | | | |
| ☒ Plugging | | | | | | |
| ☐ Remedial Well | | | | | | |
| Briefed account of work done, nature and quantity of materials used, and results obtained. | | | | | | |
| The subject well has been plug and abandoned as follows: | | | | | | |
| 1. Pull rods and tubing. | | | | | | |
| 2. Plug No. 1 - 20 Se. 4080' to 4128'. (Cement inside perforations) | | | | | | |
| 3. Plug No. 2 - 10 Se. 3760' to 4080'. | | | | | | |
| 4. Plug No. 3 - 5 Se. 0' to 180'. (Surface Plug) | | | | | | |
| 5. Install 1/2" marker extending 1' above ground level, clear location for inspection by the New Mexico Oil Conservation Commission, Plug and abandon complete 7:00 P. M. November 29, 1964. | | | | | | |
| Checked by
C. F. Jackson | | Position
Production Foreman | Company
TEXACO Inc. | | | |
| FILL IN CELLS FOR REMEDIAL WELL REPORTS ONLY | | | | | | |
| ORIGINAL WELL DATA | | | | | | |
| U.P. Elev. | TD | PDSD | Producing Interval | Completion Date | | |
| Tubing Measure | | Tubing Depth | Oil String (Feet) | Oil String Depth | | |
| Produced Interval(s) | | | | | | |
| Open Hole Interval | | | | | | |
| Producing Formation(s) | | | | | | |
| RESULTS OF WORKOVER | | | | | | |
| Date | Name of Test | Oil Production
SPB | Gas Production
MCFPS | Water Production
SPB | GOS
Cubic feet/Gal | Gas Well Potential
MCFPS |
| Before Workover | | | | | | |
| After Workover | | | | | | |
| OIL CONSERVATION COMMISSION | | | | | | I hereby certify that the information given above is true and complete to the best of my knowledge. |
| Approved by
<i>Charles F. Jackson</i> | | | | | | Signature
<i>W. E. Morgan</i> |
| Title
Production Foreman | | | | | | Position
Assistant to the District Superintendent |
| Name
C. F. Jackson | | | | | | Company
TEXACO Inc. |

Spot 10 sxs
4080'-3760'

Spot 20 sxs Across Perfs
4128'-4080'

Produced Fluids

4239'

DTD @4239'

Perfs (2 jsfp):

4080'-98'

4102'-09'

4117'-28'

Production Casing

2.875", 6.5# csg. (6.75") @ 4239'

Cmt Lnr w/ 550 sxs - TOC @ 1760' Calculated

SOS Consulting, LLC

Drawn by: Ben Stone, 5/14/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.111

API 30-025-07696

990' FSL & 1980' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/01/1961

Convert to Inj.: 1/14/1976

P&A Date: 6/17/1993

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

K.B. 3599'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Sqz w/ 140 sxs
Circ. 17 sxs to Surface

416'

Sqz Perfs @ 480'

Displace Hole w/ 9.5#
Gelled Brine Mud

Spot 25 sxs
2801'-2438'

Cap w/ 10 sxs
3800'- ~3656'

Set P&A CIBP @ 3800'

Formation fluids

4189'

Orig. DTD @ 4190' (D/O 4216')

Surface Casing

7.625", 24.0# Csg. (9.875" Hole) @ 416'
200 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| | | | |
|---|--------------------------|----------------------------|--------------------------|
| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

(2. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1102.

DIG OUT CELLAR X RUMBU 8/14/60 X INSTALL BOP. REL. PER X POH X RIN X CIBP X T80 X SA 3800' X SPOT 10 SX CLASS C CMT X 144' X PORT 3000' X LD 10 JTS T80 X PPS X 11 STANDS X CC. TEST CIBP X C80 X 800 PPS X ON X DISPLACE 4-1/2" C80 X 9.5# GEL BRINE MUD FROM 3800' TO SURF X LD 24 JTS T80 X SPOT 25 SX CMT FROM 3438'-3501' X LD T80 X RIN X VA. X PER 479'-487' X 4 JSTP X BREAK CONC. X WATER X PMP 140 SX CLASS C HEAT CMT X CIRC 17 X CMT TO SURF X WOC. CUT OFF WELLSHEAD X WELL ON P&A MARKER X VIEL P&A. REDOND SU 8/17/65 X CUT OFF DEAD MEN.

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

WITNESSED: *[Signature]* TITLE: Staff Assistant DATE: 07-08-83
TYPE OR PRINT NAME: Director of, Private TELEPHONE NO: (713) 880-2000

APPROVED: *[Signature]* OIL & GAS INSPECTOR AUG 25 1993
TITLE: DATE:

Remedial Work 6/21/81 (Csg. Leak - 2439'-70')

Set RBP @ 4019' w/ 15' sand

Perf @ 2456' & Sqz w/ 800 sxs

Acidize w/ 3000 gal. - Rtn to Inj.

Production Casing

4.5", 9.5# J-55 Csg. (6.75" Hole) @ 4189'
450 sxs - TOC @ 1200' - Calculated

1st Recomp (1/14/76) - C/O to 4188'

Acidize & Convert to Injection

Perfs 4096'-4102', 18'-24', 30'-40', 60'-83'

2nd Recomp (7/03/79) - D/O to 4216'

Acidize & Return to Injection

SOS Consulting, LLC

Drawn by: Ben Stone, 5/15/2012

PLUGGED WELL SCHEMATIC

Nordon Corporation Limited Well No.2

API 30-025-07697

990' FSL & 990' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/01/1961

P&A Date: 1/05/1962

Well plugged by:
Texaco, Inc.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

D.F. 3599'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 12 sxs
50'-0'

Spot 25 sxs
500'-400'

451'

Spot 25 sxs
1265'-1165'

Cut & Pulled 2.875"
@ 1265'

Produced Fluids

Spot 10 sxs
4080'-3760'

Spot 20 sxs Across Perfs
4210'-3950'

4206'

DTD @ 4210'

Surface Casing

7.625", 15.28# csg. (9.875") @ 451'

200 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| NEW MEXICO OIL CONSERVATION COMMISSION | | FORM C-100
(Rev 3-58) |
|--|--|---|
| MISCELLANEOUS REPORTS ON WELLS | | |
| (Subject to appropriate Statutory Orders and per Commission Rule 1786) | | |
| Name of Company
TEXACO Inc. | Address
P. O. Box 728 - Hobbs, New Mexico | |
| Well No.
2 | Section
15 | Range
38-E |
| County
Hobbs | State
NM | Year
1962 |
| THIS IS A REPORT OF: (Check appropriate block) | | |
| ☐ Exploring Drilling Operations | ☐ Casing Test and Cement Job | ☐ Other (Specify) |
| ☒ Plugging | ☐ Remedial Work | |
| Detailed account of well data, nature and quantity of materials used, and results obtained. | | |
| We have plugged and abandoned subject well as follows: | | |
| 1. Spot 20 ex cement plug, 3950' to 4210'
2. Cut 2-7/8" casing at 1265' recover same
3. Spot 25 ex cement plug, 1165' to 1265'
4. Spot 25 ex cement plug, 400' to 500'
5. Spot 12 ex surface plug, install 4" marker extending 4' above ground level, clean location for inspection as per NMCC regulations. Plug and abandon. Complete 2:30 A. M., January 5, 1962. | | |
| NOTE: Verbal permission received to plug and abandon subject well from the New Mexico Oil Conservation Commission, 1:30 P. M., January 4, 1962. | | |
| Reviewed by
C. F. Jackson | Production Foreman
TEXACO Inc. | Company
TEXACO Inc. |
| FILE IN BELOW FOR GENERAL WELLS REPORTS ONLY | | |
| ORIGINAL WELL DATA | | |
| Well Name
2 | Section
15 | Range
38-E |
| County
Hobbs | State
NM | Year
1962 |
| Produced Fluids | Producing Interval | Completion Date |
| Produced Interval | Producing Interval | Completion Date |
| RESULTS OF WORKOVER | | |
| Test | Date of Test | Oil Production
SPD |
| Water Production | | Gas Production
MCFPD |
| Other Production | | Water Production
SPD |
| | | GOR
Cub ft/mc/STB |
| | | Gas Well Potential
MCFPD |
| OIL CONSERVATION COMMISSION | | I hereby certify that the information given above is true and complete to the best of my knowledge. |
| Approved by
John J. Chant | Signature
H. M. Wade | |
| Title
Assistant District Superintendent | Position
Assistant District Superintendent | |
| Date | Company
TEXACO Inc. | |

Production Casing

2.875", 6.5# csg. (6.75") @ 4206'

Cmt Lnr w/ 550 sxs - TOC @ 1727' Calculated

Perfs (2 jsp):

4100'-08', 19'-27'

4134'-45', 49'-54',

4156'-65', 70'-76' and 80'-82'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/15/2012

Spud Date: 10/17/1961
Convert to Inj.: 1/24/1976
P&A Date: 5/17/1994

**Well plugged by:
Amoco Production Co.**

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

D.F. 3604'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Fill w/ Cement
500'-0'

Shot Sqz holes @ 500'
Sqz w/ 153 sxs
Circ. 13 sxs to Surface

Attempt Backoff
2.875" @ 1285'
(Unsuccessful)

Displace Hole w/ Gelled Brine Mud

Spot Cement
4030'-2500'

Dump 1300# Frac Sand
4238'-4030'

Perfs (2 jspr):

4086'-95'

4121'-43'

4147'-64'

Openhole 4166'-4238'

DTD @4238'

Surface Casing

7.625", 15.28# csg. (9.875") @ 441'
200 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| | | | |
|--|--|---|--|
| <p style="text-align: center;">State of New Mexico
 Oil, Gas and Natural Resources Department</p> <p style="text-align: center;">OIL CONSERVATION DIVISION
 P.O. Box 2080
 Santa Fe, New Mexico 87504-2080</p> | | <p style="text-align: right;">Form C-100
Revised 10-80</p> | |
| <p>INVESTIGATOR: JOHN M. SMITH, JR. Date: 08/25/80</p> <p>REPORT MADE AT: ALBUQUERQUE, NM 87102</p> <p>REPORT MADE BY: JOHN M. SMITH, JR. Date: 08/25/80</p> | | <p>WELL API NO. 80-005-07800</p> <p>5. Indicate Type of Loss: SEGS ☐ PER ☐</p> <p>6. How Lost & How Lost On: SEGS</p> | |
| <p style="text-align: center;">SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPERTIES TO DRILL OR TO DEEPEN OR PLUG BACK TO A
 SUBSEQUENT OPERATOR. USE "APPLICATION FOR PERMIT"
 (FORM C-101) FOR SUCH PROPOSALS.)</p> <p>1. Type of Well: Oil</p> <p>2. Name of Operator: Ames Petroleum Company (Check 1 & 2)</p> <p>3. Name of Operator: P.O. Box 2080 (Check 3)</p> <p>4. Well Location: Section 10 Township 19N Range 18E Meridian 10N</p> <p>5. Well Name: 10N 19N 18E</p> | | <p>7. Loss Name or Unit Agreement Name: South Hobbs (SEGS) Unit</p> <p>8. Well No.: 000</p> <p>9. Well Status or Well Name: Sealed</p> | |
| <p>10. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
 INDICATOR OF NATURE OF NOTICE:</p> <p>PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERED CASING ☐</p> <p>UNDESIRABLE ABANDON ☐ CHANGED PLANS ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☐</p> <p>PULL OR ALTER CASING ☐ CASING TEST AND CELEST. JOG ☐</p> <p>OTHER ☐ OTHER ☐</p> | | <p>SUBSEQUENT REPORT OF:</p> | |
| <p>11. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>12. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>13. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>14. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>15. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>16. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>17. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
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| <p>19. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>20. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
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| <p>48. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| <p>49. Describe Permitted or Completed Operations (Clearly state all previous deaths, and give previous dates, including estimated date of starting and proposed date of completion) 10N 19N 18E</p> | | | |
| | | | |

Production Casing

2.875", 6.5# csg. (6.75") @ 4166'
Cmt Lnr w/ 550 sxs - TOC @ 1687' Calculated

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.109

API 30-025-07699

2310' FSL & 2310' FEL, SEC. 15-T19S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 6/01/1930

P&A Date: 7/01/1994

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS: Pump 70 sxs
Cement @ Surf.

Sqz Perfs 210'
Could not Circ.
Between Outside Csg. Strings
Sqz w/ 114 sxs. Tag 142'
Fluid Falling
Pump 30 sxs - WOC 1 hr.

Spot 30 sxs
1748'-1450'

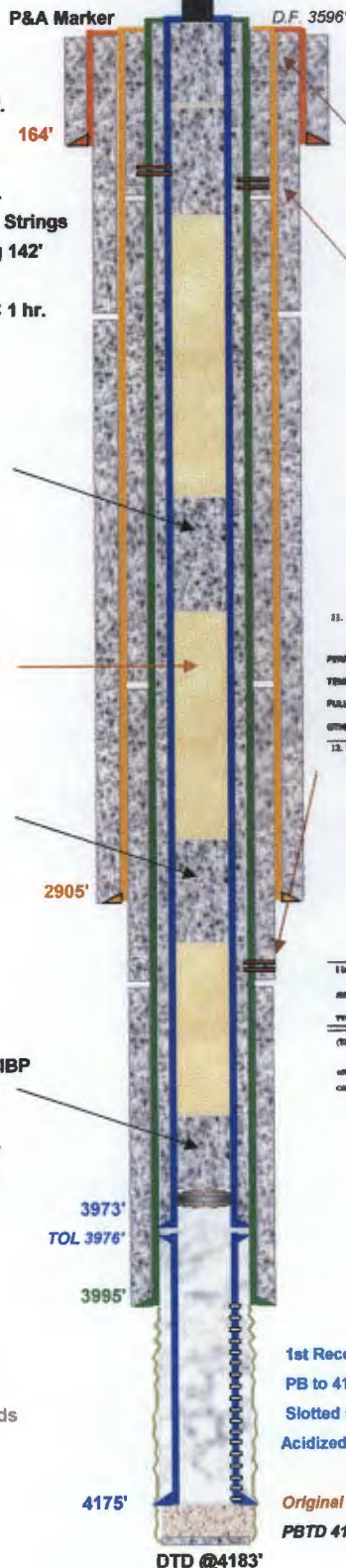
Displace Hole
w/ 10# Mud

Spot 30 sxs
3050'-2752'

Spot 25 sxs on CIBP
3950'-3702'

CIBP @ 3950'
(Set for P&A)

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# csg. (Assumed 13.75" Hole) @ 158'
200 sx - Calculated to Surface - Not reported

Remedial Work 12/10/75

Braden Head (12.5"/8.25") Sqz w/ 90 sxs

Remedial Work 10/02/81

RBP @ 3950' w/ 15' sand.CICR @ 3130'

Sqz w/ 600 sxs - Circ.60 sxs out Interm Csg.

Sqz holes @ 250' - RBP @ 994' w/ 15' sand.

PKR @ 38' - Sqz w/ 350 sxs

D/O & C/O to 3950' - Perf @ 3268'

PKR @ 2419' - Sqz w/ 200 sxs / Acidize

Sqz w/ additional 200 sxs - D/O & C/O

Run 93 jts. 5.5" Lnr w/ 250 sxs

TBG @ 4170' - Spot 250 gal. Acid - Rtn to Prod.

Intermediate Casing

8.25", 32# csg. (Assumed 9.625" Hole) @ 2905'
600 sxs - Calculated to Surface - Not reported

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | COMMENCE DRILLING OPER. | ☐ |
| OTHER: | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER: | ☐ |

13. Benefits Proposed to Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE SCALE 1/100

DIG OUT CELLAR X (MISSED) (NOV) X LD BIDS X RTION X PTO X FBI X BIT X SCRAPED X
POB X FBI X CIBP X SA 100' (APPROVED BY PAUL BLAUZ WIMBOLD) X LOAD X TEST X 75H
PS X CIL DISPLACE CIBP X 100' MED X CAP CIBP X 25' EX CUT FROM 170' TO 190' X SPOT
CMT PLUG FROM 270' TO 300' X 30 SX CMT X SPOT CMT PLUG FROM 145' TO 170' X 30 SX
CMT 200 UP WIL TRUCK X 100' 200' 200' X 4 100' X UNABLE TO PUMP ON CIBP STRINGS X
WYFRESH CIBP STRINGS 13-14' X 5-10' X 7' X 5-10' X UNABLE TO PUMP ON CIBP STRINGS X
FLUID GOING DOWN X PMP 5 BBL 2200 LOR X 42 SX CMT X 5 BBL 2 CACLS WATER X 42 SX
CMT X 5 BBL 2 CACLS WATER X 30 SX CMT X WOC 2.2 BBL X TAG CMT 134' FROM SURF X PMP
30 SX CMT X WOC X 1 BBL 2 PMP 70 SX CMT X CIBP CMT TO SURF IN 5-10' CIBP X WOC
CHECK CMT X CMT AT SURFACE X CUT OFF WELL HEAD X 100' ALL P&A MARKERS X CUT
OFF HEAD WITH X FILL IN CELLAR X CLEAN LOCATION X REMOVED (7/1/94)

Supervisor: Terry Caldwell (713) 346-7288

I hereby certify that the information above is true and complete to the best of my knowledge and belief

APPROVED: Ben Stone TITLE: Geologist DATE: 07-01-94

WELL/PROJECT NAME: South Hobbs (GSA) Unit Well No.109 DRAWING NO.: 07-10-7090

(This space for Data User)

APPROVED: Ben Stone TITLE: Geologist DATE: AUG 24 1994

CONTROLLER OF OPERATIONS, IF ANY

Production Casing (Original)

7.0", 26# Csg. (Assumed 7.875" Hole) @ 3995'
75 sxs - TOC @ 3026' by Calc

Production Liner (2nd String - Ran 10/02/81)

5.5", 17# Lnr. (Csg 6.5" ID) @ 3973'
250 sxs - Circulate 100 sxs to Surface

Production Liner (1st String)

5.1875", UK# Lnr. (Assumed 5.625" Hole) @ 4175'
Uncemented Slotted Liner - TOL 3976'

1st Recom (8/30)

PB to 4175 w/ Rock - Set 5.1875" Lnr

Slotted Lnr 3995'-4175'

Acidized w/ 2000 gal.

Original Comp OH (Shot) 3995'-4183'

PBTD 4175'

SOS Consulting, LLC

PLUGGED WELL SCHEMATIC

Hobbs SWD E-15

API 30-025-12788

1650' FNL & 840' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/02/1957

P&A Date: 2/06/2002

NOTE: WELL ORIGINALLY DRILLED AS SWD (R-1004)

Well plugged by:
Rice Operating Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @ 60'
Sqz Cmt to Surface

Sqz Perfs @ 372'
Sqz w/ 50 sxs
372'-299' (Tagged)

Spot 30 sxs
1653'-1500'

Displace Hole w/ 10#
Gelled Brine Mud

Spot 30 sxs
2754'-2604'

Cap w/ Cement
4161' (Tagged)

15 sxs Gravel Fill
4534' (Tagged)

Fill to 4717'

P&A Marker

D.F. 3611'

322'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 32.3# Csg. (12.25" Hole) @ 322'
275 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| | |
|--|--|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data | |
| NOTICE OF INTENTION TO: | |
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPLETION ☐ |
| OTHER: ☐ | OTHER: ☐ |
| SUBSEQUENT REPORT OF: | |
| REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| COMMENCE DRILLING OPNS ☐ | PLUG AND ABANDONMENT ☒ |
| CASING TEST / CEMENT JOB ☐ | |

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.



PLUG AND ABANDON PURSUANT TO NM UIC LETTER 12-01-99:

02-01-2002 - SPOT 15 SXS @ 4534' - 4717' TAGGED
02-04-2002 - SPOT 45 SXS @ 4534' - 4161' TAGGED
02-05-2002 - SPOT 30 SXS @ 2754' - 2604'
02-05-2002 - SPOT 30 SXS @ 1653' - 1500'
02-05-2002 - PERFORATED @ 372'
02-05-2002 - SQUEEZE 50 SXS @ 372' - 229' TAGGED
02-06-2002 - PERFORATED @ 60' - SQUEEZED CEMENT TO SURFACE LEAVING ANNULUS AND CASING FULL

INSTALL DRY HOLE MARKER

CIRCULATE 100 MUD

NRA E-15 SWD E-15 ceases discontinuance of operations of the Hobbs SWD System. The Facility Site at the E-15 location will be abandoned in accordance with the approved Closure Plan for Below-Grade Redwood Tanks and Emergency Overflow Pits submitted to NMOCED (Environmental Bureau (Contact Wayne Price) in Santa Fe. The closure plan is targeted to begin in December, 2002.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Carolyn Duran Haynes TITLE ENGINEERING MANAGER DATE 2-6-02

Type or print name: CAROLYN DURAN HAYNES Telephone No. 505-395-9174
(This space for State use)

APPROVED BY GARY W. WILKINS TITLE _____ DATE JAN 30 2003
Condition of approval, if any:

GARY W. WILKINS
GWW
Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

Production Casing

7.0", 20.0# Csg. (8.75" Hole) @ 4872'
1175 sxs - TOC @ 1200' - Calculated

Perfs 4634'-44',
4660'-4700',
4728'-4773',
and 4802'-26'

4872'

DTD @ 4872'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/17/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.105

API 30-025-20028

1800' FNL & 990' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Occidental Permian, LTD

Spud Date: 7/06/1963

Well Shut-in / TA'd: 3/1970

Convert to Inj.: 12/21/1975

TA Status: 3/18/1999

P&A Date: 7/16/2003

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Fill w/ Cmt 15'-0"

Sqz Perfs @ 360'

Sqz w/ 125 sxs
Tagged @ 15'

Sqz Perfs @ 460'

Sqz w/ 125 sxs (Tag 610')

Reshoot Perfs @ 460'
Held 1500 psi

Mud Ladened Fluid

Sqz Perfs @ 1600'

Sqz w/ 35 sxs (Tag 1492')

Spot 25 sxs
2460'-2096'
(Tagged @ 2121')

Sqz Perfs @ 2460'
Held 1800 psi

Spot 35 sxs
2742'-2213'
(Tagged @ 2460')

Sqz Perfs @ 2680'
Held 1000 psi

Spot 25 sxs
On Existing CIBP
3930'-3552'

CIBP @ 3925'
(Set for 1999 TA Status)

Formation fluids

P&A Marker

R.D.B. 3609'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# Csg. (11.0" Hole) @ 410'
250 sxs - Circulated 110 sxs to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | REMEDIAL WORK | ☐ |
| TEMPORARILY ABANDON | ☐ | COMMENCE DRILLING OPS | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

7-10-03 Spot 25 in Class C 3600'-3652'. Circulate Hole M.B. Perforate 4 SPF @ 2680'.
7-11-03 Test 1000 PSI. Held. Perforate 4 SPF @ 2460'. Test 1800 PSI. Held. Spot 35 in Class C 2742'-2213'. WOC Tag @ 2460'.
Spot 25 in Class C 2460'-2096'. WOC Tag plug @ 2121'.
7-14-03 Perforate 4 SPF @ 1800'. Squeeze 30 in Class C. WOC Tag plug @ 1492'. Perforate 4 SPF @ 460'. Pump 125 in Class C up Annulus. No Cement to Surface. WOC.
7-15-03 Tag plug @ 610'. Perforate 4 SPF @ 460'. Test 1500 PSI. Held. Perforate 4 SPF @ 260'. Test 1500 PSI. Held. Perforate 4 SPF @ 260'. Estimation Injection Rate. Pump 125 in Class C into perfs. WOC.
7-16-03 Tag Plug @ 15'. Top off 4-1/2" Casing. Close in 1000 psi. Squeeze 10 in Class C into 5-1/2" X 8-5/8" Annulus. Close in 500 PSI.
Cut Off & Install Dry Hole Marker

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: *[Signature]* TITLE: *P&A Supervisor* DATE: *7-17-03*
TYPE OF P&A: *PLUG* SIGNATURE: *[Signature]* DATE: *7-17-03*
(This space for Data User)
APPROVED BY: *[Signature]* OC PERM REPRESENTATIVE / STAFF MANAGER DATE: *AUG 07 2003*
CONSIDERING OF APPROVAL, P&A

Production Casing

4.5", 11.6# Csg. (7.875" Hole) @ 4142'
300 sxs - TOC @ 2934' - Calculated

Perfs 4081'-4134'

Openhole 4142'-4242'

DTD @ 4242'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/17/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.99

API 30-025-20539

350' FNL & 660' FWL, SEC. 15-T19S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/14/1963

Well Shut-in / TA'd: 7/1972

TA Status: 10/25/1991

P&A Date: 7/24/2003

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Sqz Perfs @ 480'
Sqz w/ 135 sxs
Cement to Surface

Circulate Hole
w/ Plugging Mud

Sqz Perfs @ 1600'
Sqz w/ 35 sxs (Tag 1493')

Spot 35 sxs
2730'-2147' (Tagged)

Sqz Perfs @ 2580'
Held 1500 psi
Sqz Perfs @ 2680'
Held 1500 psi

Spot 25 sxs
On Existing CIBP
3968' - 3590'

Set CIBP @ 3968'
(Set for 1991 TA Status)

Recomp 5/04/83 - Plug back
to perf interval only.
Set CIBP @ 4125

Formation fluids

P&A Marker

G.L. 3604'

430'

4130'

DTD @ 4228'

Surface Casing

8.625", 24.0# Csg. (11.0" Hole) @ 430'
225 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|-----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLUG | ☐ |
| PULL OR ALTER CASING | ☐ | CASING TEST AND CORRECT JOB | ☐ |
| OTHER: | ☐ | OTHER: | ☐ |

<Operator, Pressure or Completion Operator (Check date of posttest details, and give posttest date, including estimated date of starting any proposed work per P&A 1108)>

7-23-03 Tagged existing CIBP @ 3968' Csg. well w/ plugging mud. Spot 25 sxs of cement @ 3968'-3590'

7-23-03 Perf @ 2680' Pressured up to 1500 psi-Held. Perf @ 2580' Pressured up to 1500 psi-Held Spot 35 sxs of cement 2730' Tagged @ 2147'

7-24-03 Perf @ 1600' Squeezed 35 sxs of cement. Tagged @ 1493'. Perf @ 480' circulated 135 sxs of cement to surface.

Out of treatment and surface 3968'. Cap well. Install dry hole marker.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and accurate to the best of my knowledge and belief.

Signature: *Robert G. Heath* Title: *SE Edge Tech* Date: *07-25-03*
Typed Name: *Robert G. Heath* Telephone No: *597-8298*
Approved By: *Henry W. Smith* OC FIELD REPRESENTATIVE / STAFF MANAGER
Date: *AUG 07 2003*

Production Casing

4.5", 9.5# J-55 Csg. (7.875" Hole) @ 4130'
300 sxs - TOC @ 2922' - Calculated

SanDrill Perfs 4065'-68',
4074'-77', 83'-86', 96'-99',
4103'-06', 12'-15' and
4116'-19' (2 spf)

Openhole 4130'-4228'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/17/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Well No.104

API 30-025-22482

330' FNL & 990' FEL, SEC. 15-T19S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 3/25/1968

TA Status: 4/09/1992

P&A Date: 12/01/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

R.T. 3595'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 10 sxs
32'-0'

Sqz Perfs @ 480'
Sqz w/ 75 sxs
Tag @ 240'

Circulate Hole
w/ Mud Ladened Fluid

Sqz Perfs @ 1750'
Sqz w/ 30 sxs - CIGR @ 1644'
25 sxs on top of CIGR

Spot 25 sxs
2925'-2647' (Tagged)

Sqz Perfs @ 2850'
Held 1000 psi

Spot 25 sxs
On Existing CIBP
3991'- 3751'

Set CIBP @ 4005' (Tag @ 3991')
(Set for 1992 TA Status)

Formation fluids

Surface Casing

8.625", 24.0# Csg. (11.0" Hole) @ 291'

120 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: **SUBSEQUENT REPORT OF:**

| | | | |
|--|---|---|--|
| PERFORM REMEDIAL WORK ☐ | PLUS AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPHS ☐ | PLUS AND ABANDONMENT ☒ |
| PULL OR ALTER CASING ☐ | | CASING TEST AND CEMENT JOB ☐ | |
| OTHER: ☐ | | OTHER: ☐ | |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE NOTE 1903.

- 1) 11/24/97 HIRU PULLING UNIT, HIRUP, RTH W/2-3/8" W/S, TAG CIBP @ 3991'.
- 2) 11/24/97 CIB HOLE W/97 HOLE WLF.
- 3) 11/25/97 PUMP 25 SXS CLASS "C" CMT FROM 3991'-3751'.
- 4) 11/25/97 PERP @ 2850', UNABLE TO PUMP INTO, PRESSURE UP TO 1000#.
- 5) 11/25/97 RTH W/TAG TO 2925', PUMP 25 SXS DISP TO 2685'.
- 6) 11/26/97 TAG CMT @ 2647'.
- 7) 11/26/97 PERP @ 1750', SET 5-1/2" CIGR @ 1644', PUMP 30 SXS UNDER RET & 25 ON TOP.
- 8) 11/26/97 PERP @ 341', PUMP 75 SXS DISP TO 241', MOC.
- 9) 12/01/97 TAG CMT @ 240'.
- 10) 12/01/97 PUMP 10 SXS FROM 32' TO SURF, NO P&A EQUIP.
- 11) 12/01/97 CUT OFF WELL HEAD, INSTALL DRY HOLE MANUEER.

I hereby certify that the information herein is true and complete to the best of my knowledge and belief.

Milton Weatherlin TITLE P&A SUPERVISOR DATE 12/01/97

MILTON WEATHERLIN TELEPHONE NO. 915-530-0917

DATE

Production Casing

5.5", 14.0# Csg. (7.875" Hole) @ 4210'

200 sxs - TOC @ 3151' - Calculated

Recomp (8/21/85) Add Perfs - Acidize - Rtn to Prod.

4104'-05', 08'-08', 17'-18',

4123'-27', 34'-44' and 48'-52'

Original Perfs (2 spf)

4184'-88', 72'-80' and 83'-93'

4210'

DTD @ 4210'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/19/2012

SECTIONS
27 - 32

PLUGGED WELL SCHEMATIC
Pre-Ongard Well No.8
(Formerly Nora Berry Well No.8)
API 30-025-07502

990' FSL & 1650' FEL, SEC. 31-T18S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 12/04/1947
 P&A Date: 4/03/1953

Well plugged by:
Shell Oil Company

<PLUGGING ITEMS LISTED LEFT>
PLUGS:

Spot 15 sx
 45' to 0'

P&A Marker D.F. 3637'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing
 8.625", 32.0# Csg (11.0" Hole) @ 410'
 200 sx - Circulate 15 sx to Surface

<P&A SUBSEQUENT SUNDRY>

NEW MEXICO OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPlicate to the District Office, Oil Conservation Commission, within 10 days of completion of the work. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of well, results of well repair, and other important operations, even though the work was initiated by an agent of the Commission or its employees.

| Indicate Nature of Report by Checking Below | | |
|---|---|--------------------------|
| REPORT ON BEGINNING DRILLING OPERATIONS | REPORT ON RESULT OF TEST OF CASING BUST-OFF | REPORT ON REPAIRING WELL |
| REPORT ON RESULT OF PLUGGING WELL | REPORT ON RECOMPLETION OPERATION | REPORT ON (Other) |

April 6, 1953 Hobbs, New Mexico

Following is a report on the work done and the results obtained under the drilling noted above at the

Shell Oil Company

Berry

Well No. 8 in the SE 1/4 of Sec. 31

T. 18-S & R. 35-E, N.M.P.M. Hobbs (Bowers) Pool, Lea County

The Dates of this work were as follows: April 2 & 3, 1953

Indices of location to do this work (west) (center) (east) on P&A No. March 10, 1953.

and approval of the proposed plan (west) (center) (east) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Plugged and abandoned Berry No. 8 as following:

Loaded hole with mud and spotted 15 sack cement plug from 2865' - 3050'. Spotted 15 sack cement plug from 45' to surface and erected 4" marker as required by Rule 402. ALL PLUGS ARE ABANDONED 4-3-53.

Witnessed by: G. L. Goodpasture Shell Oil Company Production Foreman

Approved: Ray J. Jankovich OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

F. D. Leigh Division Mechanical Engineer

Supervising: Shell Oil Company

Address: Box 1957, Hobbs, New Mexico

Production Casing
 4.5", 9.5# Csg. (7.875" Hole) @ 3199'
 850 sx - Circ by Calc - Not Reported

Loaded Hole w/ Mud

Loaded Hole w/ Mud

Spot 15 sx
 3050' to 2865'

3199'

Openhole 3199'-3270'

DTD @3270'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/11/2013

PLUGGED WELL SCHEMATIC

State Land '32' Well No.6

API 30-025-07540

660' FSL & 1990' FEL, SEC. 32-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/12/1948

Well Shut-In: April, 1955

TA Status Date: 4/16/2002

P&A Date: 1/08/2008

Well plugged by:
Oxy USA, Inc.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

P&A Marker

D.F. 3624'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 28.0# Csg (11.0" Hole) @ 301'

125 sx - Circulate to Surface

Sqz Perfs 350'
Sqz w/ 120 sx
Circ to Surf / Lv Hole Full

Spot 45 sx Class C
1300'-980'
(Tagged)

Spot 45 sx Class C
2450'-2100'
(Tagged @ 2064')

Circulate Hole w/ 9.5# Mud
(Per Plugger's Daily Report)

Spot 25 sx Class C
3026'-2839'

CIPB @ 3026'
(Set for 2002 TA Status)

3160'

Formation Fluids

DTD @ 3240'

Openhole 3160'-3240'

Shot Openhole in 3 sections w/ 60 qts. Nitro

<P&A SUBSEQUENT SUNDRY>

| | | |
|--|--|---|
| State of New Mexico
Energy, Minerals and Natural Resources
CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505 | | Form C-103
June 19, 2006 |
| 1. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other | | 5. Indicate Type of Lease: STATE ☒ FEE ☐ |
| 2. Name of Operator: OXY USA, INC. | | 6. State Oil & Gas Lease No.: A-2747 |
| 3. Address of Operator: P.O. Box 4294, Houston, TX 77210-4294 | | 7. Lease Name or Unit Agreement Name: State Land Sec. 32 |
| 4. Well Location: Unit Letter 0, 660 feet from the South line and 1990 feet from the East line. Section 32, Township 18-S, Range 38-E, NMPM, County Lea. | | 8. Well Number: 3624 |
| 11. Elevation (Show whether DB, RCB, RT, GR, etc.): 3624' GR | | 9. OGRID Number: 3624 |
| 12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data: | | 10. Pool name or Wildcat: Boxers-Sentin Rivers |

| | | | |
|--|---|--|---|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK ☐ | PLUS AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPER. ☐ | P&A A ☒ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPL. ☐ | CASING/CEMENT JOB ☐ | |
| DOWNHOLE COBBLEHOLE ☐ | | | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagrams of proposed completion or recompletion.

Plug and abandon State Land Sec. 32 Well No. 6 as follows -

1/4/08 - 1/8/08:

RI x RUPB. NO BOP. RIH with 2-3/8" tubing (open ended) x tag existing CIPB at 3026'. Circulate hole clean. Cap CIPB with 25 sx. C. Pull uphole to 2450'. Spot 45 sx. cement x displace to 2100'. Pull uphole to 1480' x MOC. RIH with 2-3/8" tubing x tag top of plug at 2064'. Pull uphole to 1300'. Spot 35 sx. cement x displace to 950'. POGH x MOC. RIH with 2-3/8" tubing x tag top of plug at 980'. RIH with wireline x perforate 5-1/2" casing at 350'. Set packer at 30'. establish injection rate of 2 BPH @ 250 psi, and squeeze perfs with 120 sx. cement. Circulate cement to surface through 8-5/8" casing valve and leave 5-1/2" casing full of cement to surface. POGH with packer. NO BOP. cut off wellhead, and install dry hole marker. NO x NO x clean location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Mark Stephens TITLE: Sec. Comm. Analyst DATE: 8/26/08
 Type or print name: Mark Stephens E-mail address: Mark_Stephens@nrm.com PHONE: (723) 368-5383
 APPROVED BY: [Signature] DISTRICT SUPERVISOR: SEP 01 2009
 Conditions of Approval (if any):

Production Casing

5.5", 15.5# Csg. (7.0" Hole) @ 3160'

750 sx - TOC @ 330' by Temp

PLUGGED WELL SCHEMATIC
Pre-Ongard Well No.6
(Formerly West Grimes Well No.6)
API 30-025-07524

330' FSL & 330' FEL, SEC. 32-T18S-R38E
 LEA COUNTY, NEW MEXICO

Well plugged by:
Gulf Oil Corporation

Spud Date: 8/16/1930
 P&A Date: 4/19/1952

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot Cmt 50' - 0'

P&A Marker

G.R. 3630'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

13.375", 50.0# Csg. (Assumed 16.5" Hole) @ 207'
 200 sx - Circ. to Surface

Intermediate Casing

9.625", 36.0# Csg (Assumed 12.25" Hole) @ 2770'
 600 sx - TOC 1013' by Calc.

Spot w/ Heavy Mud
 950'-50'

Spot 53 sx
 1050'-950'

Shot & Pulled 6-5/8" @ 969'
 Shot & Pulled 9-5/8" @ 978'

Spot w/ Heavy Mud
 3030'-1050'

TOC @ 3030'
 Set CICR @ 3098' for P&A
 Sqz w/ 35 sx

PBTD 3207'

Set CICR @ 3870' (for Recomp)
 Pump 35 sx below & 10 sx Cap

3965'

DTD @ 4166'

<P&A SUBSEQUENT SUNDRY>

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission District Office within 30 days after the work specified is completed. It should be signed and filed as a report on logging, drilling operations, results of shooting well, results of ball of casing shut off, results of plugging of well, and other important operations, even though the well was withdrawn by an agent of the Commission. See additional instructions in the State and Regulations of the Commission.

Indicate nature of report by checking below.

| | |
|--|--|
| REPORT ON BRUSHING DRILLING OPERATIONS | REPORT ON REPAIRING WELL |
| REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL | REPORT ON PULLING OR OTHERWISE ALTERING CASING |
| REPORT ON RESULT OF TEST OF CASING SHUT-OFF | REPORT ON DEEPENING WELL |
| REPORT ON RESULT OF PLUGGING OF WELL | XX |

April 20, 1952

Hobbs, New Mexico

Following is a report on the work done and the results obtained under the heading noted above at the _____
 Gulf Oil Corporation West Grimes Well No. 6 In the _____
 County of _____ State of _____
 The date of this work was as follows: _____
 Completed April 19, 1952

Notice of intention to do the work was _____ submitted on Form O-300 on _____
 and approval of the proposed plan was _____ obtained. (Check out, in correct words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

- Set 7" 24# Model K cast iron cement retainer at 3090'. Spacers cemented w/ 35 sacks regular cement by Halliburton. Maximum pressure 2000#. Back washed estimated 12 sacks cement. Top cement at 3090'.
- Shot off 6-5/8" casing at 969' and pulled same.
- Shot off 9-5/8" casing at 978' and pulled same.
- Heavy mud from 950' to 1050'.
- Spotted cement plug from 1050' to 950'. 30 sacks cement.
- Heavy mud from 950' to 50'.
- Spotted cement plug from 50' to 0'. 30 sacks cement.
- Installed 4" marker extending 4' above ground level and filled cellar.

Witnessed by: E. S. Jordan Gulf Oil Corporation Field Foreman
 APPROVED: Ray Washburn OIL CONSERVATION COMMISSION
 I hereby agree or affirm that the information given above is true and correct.
 Position: Area Prod. Supt.
 Signatures: Gulf Oil Corporation
 Address: Box 2187, Hobbs, New Mexico

Production / Inter. Casing

6.625", 24.0# csg. (Assumed 8.25" Hole) @ 3965'
 400 sx - TOC @ 1185' by Calc.

Recompletion (Feb-May 1949):

Perforated 3148'-62" and 3188'-3204' (4 spf) Acidize w/ 5000 gals HCl - swab no show
 3145'-3205' - Shot w/ 24 qts. Nitro & 710 marbles - no show
 3145'-3205' - Shot w/ 150 qts. Nitro - Install Gas Lift

Openhole 3965' to 4166' (Original Comp.)

SOS Consulting, LLC

Drawn by: Ben Stone, 3/11/2013

PLUGGED WELL SCHEMATIC

W.D. Grimes NCT-A Well No.14

API 30-025-07532

660' FSL & 660' FWL, SEC. 32-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/09/1948

P&A Date: 4/01/1948

*Well plugged by:
Gulf Oil Corporation*

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Well blew out and loss of circulation at 2600'. Satisfactory circulation could not be re-established. Abandoned hole if favor of new location. Pumped 320 sx thru drill pipe from 328' effectively sealing hole. Capped w/ 4 sx Cement.

Move rig to 990' FSL x 990' FWL for replacement well number 14Y

P&A Marker G.L. 3630'

313'

Form C-100

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 32.0# Csg (12.0" Hole) @ 313'
235 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper Agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for registration, results of shooting well, results of test of casing shut off, results of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

| | |
|--|---|
| REPORT ON BEGINNING DRILLING OPERATIONS | REPORT ON REPAIRING WELL |
| REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL | REPORT ON PILLING OR OTHERWISE ALTERING CASING |
| REPORT ON RESULT OF TEST OF CASING SHUT-OFF | REPORT ON DEEPENING WELL |
| REPORT ON RESULT OF PLUGGING OF WELL | Report of abandonment of unfinished hole and change in location |

April 6, 1948 Hobbs, New Mexico

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO

Following is a report on the work done and the results obtained under the heading noted above at the _____
Gulf Oil Corporation, Santa Fe, New Mexico, to the _____
Company or Operator _____
Name _____
Address _____
City _____
County _____

The dates of this work were as follows: _____
Notice of intention to do the work was (checked) submitted on Form C-100 on _____
and approval of the proposed plan was (checked) obtained. (Cross out inoperative words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Because of blow-out and lost circulation difficulties, it was necessary to abandon and plug the hole located 660' from West line and 840' from South line of Section 34-16S-34E, which had been drilled to a total depth of 4200', and open a new hole located 990' from South line and 990' from West line of Section 32-18S-38E. First hole was plugged by injecting a total of 320 sacks of cement through drill pipe from a depth of 328'. This filled the hole to the surface and it was then capped with 4 sacks of cement and abandoned on April 1, 1948. New hole was spudded on April 2, 1948.

Witnessed by _____ Name _____ Gulf Oil Corporation _____ Foreman _____
Subscribed and sworn before me this _____ day of April, 1948. _____
Notary Public _____
My commission expires _____ Address _____ Hobbs, New Mexico

Remarks: _____
Name _____ Title _____

DTD 2600'

Production Casing

Casing Not Run (7.875" Hole) @ 2600'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/11/2013

PLUGGED WELL SCHEMATIC

W.D Grimes NCT-A Well No.14-Y

API 30-025-07534

990' FSL & 990' FWL, SEC. 32-T18S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Chevron USA, Inc.

Spud Date: 4/04/1948

Well Shut-In: 4/1968 to 3/1974

P&A Date: 6/22/1996

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz w/ 120 sx - 625' to Surf.

Sqz Perfs 275'

331'

Spot 25 sx
1560' to 1271'

Spot 25 sx
3100' to 2881'

Set CIBP @ 3100' for P&A

Formation Fluids

P&A Marker

D.F. 3638'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 36.0# Csg (12.25" Hole) @ 331'

235 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| | | | | |
|--|--|--|--|---|
| Submit 3 Copies
to appropriate
Statistical Office
CRITICAL 1
P.O. Box 2088
Santa Fe, New Mexico 87504-2088
CRITICAL 2
P.O. Box 2088
Santa Fe, New Mexico 87504-2088
CRITICAL 3
1000 New Mexico Rd., Austin, TX 78763 | | State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088 | | Well AP# 30-025-07534
5. Indicate Type of Lease
STATE ☐ PER ☒
6. Name Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name
W. D. GRIMES OIL-A1
8. Well No.
14Y
9. Well name or Wellhead
BOWERS - SEVEN RIVERS |
| SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DESPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE: APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS) | | | | |
| 1. Name of Well
WELL 14Y | 2. Status of Well
GAS ☐ OIL ☒ OTHER ☐ | 3. Address of Operator
Chevron U.S.A. Inc.
P.O. Box 1150, Whitehall, TX 79702 | 4. Well Location
County LEA Township 18S Range 38E Section 32 | |
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERED CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☒
FULL OR ALTER CASING ☐ OTHER ☐ CASHED TEST AND CEMENT JOB ☐
OTHER ☐ | | | | |
| 12. Describe Proposed or Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.)
FOR WFRB EXP. SET CIBP 8810C'; SPOT 25 SX CLASS C, CIRC (70C 88881');
PLUGGED 35 SX CLASS C 1560'-1271';
PERFS @ 275'; CIRCULATED 120 SX CLASS C 625'-SURF 45-1/2" CASING FULL OF CEMENT.
SET P&A NUMBER
WELL P&A 6/22/96 | | | | |

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signature: J. K. Ripley Title: TECHNICAL ASSISTANT Date: 6/2/96

Signature: J. K. Ripley Title: TECHNICAL ASSISTANT Date: 6/2/96

Signature: Johnny Robinson Title: Date:

Production Casing

5.5", 14.0# Csg. (8.75" Hole) @ 3141'

800 sx - TOC @ 355' by Temp

Openhole 3141-3256'

DTD @3256'

SOS Consulting, LLC

Drawn by: Ben Stone, 3/11/2013

**SECTIONS
33 & 34**

PLUGGED WELL SCHEMATIC **Trucker's (Brine Station) Well No.2** **(Formerly State A-33 Well No.10)**

API 30-025-07551

1980' FSL & 1980' FWL, SEC. 33-T18S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 2/09/1949

Convert to Brine: 12/01/1980

P&A Date: 4/03/2007

Well plugged by:
Key Energy Services

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 10 sx
 60' - 0'

During final P&A, TH w/ tubing running
 outside casing @ 1850'. Impression block
 indicated parted and laid over @ 1350'.

Sqz Perfs 395'
 Sqz w/ 20 sx

Circ. Plugging Mud

Spot 20 sx
 1300' to 1100'
 (Tagged)

CIBP @ 1300'
 (Appr'd OCD during P&A)

Note: This well was originally completed as
 the State A-33 No.10. It was P&A'd on
 1/13/1971. It was re-entered in by Trucker's
 Water Company and renamed the Trucker's
 (Brine Station) No.2 and completed as a Brine
 Supply well. The well was apparently utilized
 until about 1991 and P&A'd on April 3, 2007.
 The current P&A status of the wellbore is
 illustrated.

Spot 25 sx
 2350' to 2150' (Calc.)

Junk TBG & Bit
 left in hole

Spot 40 sx
 3198' to 2935' (Tagged)
 (For 1971 P&A)

PBTD @ 2935'

Perfs 3148'-56' (Orig.)

DTD @ 3198'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 36.0# Csg (12.25" Hole) @ 345'
 200 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDY>

| | | | |
|---|--|--|---|
| Submit 3 Copies To Appropriate District
Office
1423 N. Nevada Dr. Hobbs, NM 88240
District II
1401 W. Grand Ave., Artesia, NM 88210
District III
1000 San Mateo Rd., Roswell, NM 87701
District IV
1220 S. N. Francis Dr., Santa Fe, NM 87505 | | State of New Mexico
Energy, Minerals and Natural Resources
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505 | Form C-103
May 27, 2004
WELL API NO.
30-025-07551
5. Indicate Type of Lease
STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
State Mining Lease
7. Lease Name or Unit Agreement Name
Trucker's (Brine Station)
8. Well Number 3
9. GORID Number 99997
10. Pool name or Wildcat
BSW Salado |
| SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR RE-ENTER BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PURPOSES.) | | | |
| 1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐
2. Name of Operator
Key Energy Services
3. Address of Operator
PO Box 99 Hobbs New Mexico 88241 | | | |
| 4. Well Location
Unit Letter: EC, Section: 33, Township: 18-S, Range: 38-E, NE/4, G-1
11. Elevation (Show whether DR, AED, RT, GR, etc.)
3,637' G.S. | | | |
| 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:
FOR REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐
PARTIALLY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPERATIONS ☐ P AND A ☒
FOR ALTER CASING ☐ MULTIPLE COMPL. ☐ CASING/CEMENT JOB ☐
OTHER: ☐ | | | |
| Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including anticipated date
of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion
completion. | | | |
| 2-29-07 MERU pulling unit. Notified OCD on rig up. Open well and flow well overnight.
3-30-07 NU BOP. Tag @ 1850' w/ gauge ring. TH w/ bit and tag inside 1850'. TH O.E. tag at 1850'
worked tubing thru and TH to 2350'. Spot 25 sks of cement @ 2350'. POH and discovered tubing went
out side of casing @ 1850'. Notified Gary Wink, he required an impression block run.
3. 4-2-07 TH w/ impression block to 1350'. Showed casing had laid over. POH Chris Williams ck'd setting
CIBP @ 1300'. RU wireline and set CIBP @ 1300'. TH w/ tubing tag CIBP. Circulate well w/ plugging
mud. Spot 20 sks 1300'. WOC & tag @ 1100'.
4. 4-3-07 Chris Williams added a perf and squeeze @ 395'. RU wireline and perf @ 395'. Squeezed 20 sks
displaced TOC to 295'. No circulation to surface, removed surface wellhead valve and cement was present.
Spot 10 sk surface plug 60'-surface.
5. Cut off wellhead and set 3" BCL. Cap well. Install dry hole marker. | | | |
| I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that my job or labor
grade and has been well explained and checked according to MINNEAPOLIS guidelines. ☐ a general permit ☐ or no (currently alternative OCD approved plan ☐ | | | |
| SIGNATURE: <i>Jack Shelton</i> TITLE: Agent DATE: 4-4-07
Type or print name: Jack Shelton E-mail address: jshelton@keyenergy.com Telephone No. 432-723-5355
For State Use Only: KEY FIELD REPRESENTATIVE / STAFF MANAGER | | APPROVED BY: <i>Harry W. Wink</i> TITLE: DATE: 0 0 2007
Conditions of Approval (if any): | |

Recomplete as Brine Well 12/1980: Drill out surface plug & L/U to 1 U @
 2935'. Perf 2400'-10' and 2060'-76' (2 jsp). Set PKK @ 2100' and pressured
 up to 1500 psi. Established rate w/ Fresh Water. Pump down backside and
 produce brine through tubing.

Note: In 1991, there is evidence of high
 difficulty in an attempt to workover the well.
 Lots of twisted tubing and eventually milled
 through. Eventually retrieved PKR but left 71 jts.
 (No indication of how much, if any, was fished.
 Of 2-7/8" tubing and 4-1/2 bit in hole.) Report
 also indicated casing parted @ 1916' and 2026'.
 Casing damage over long interval from brine
 operation.

Production Casing

5.5", 14.0# csg. (7.875" Hole) @ 3195'
 1000 sx - Calc. to Circ. Not Rpt'd

SOS Consulting, LLC
 Drawn by: Ben Stone, 3/12/2013

PLUGGED WELL SCHEMATIC

W.D. Grimes (NCT-B) Well No.6

API 30-025-07558

1980' FSL & 960' FEL, SEC. 33-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 3/24/1949

TA Status Date: 12/03/1991

P&A Date: 12/08/1995

Well plugged by:
Chevron USA, Inc.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs 350'
Sqz w/ 100 sx
Circ to Surf / Lv Hole Full

Spot 45 sx
1670'-1430'

Circ. Hole w/
9.5# Mud Ladened Fluid

Spot 25 sx
2715'-2475'

Spot 15 sx
3100'-2956'

CIPB @ 3100'
(Set for 1991 TA Status)

Formation Fluids

P&A Marker

D.F. 3636'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 32.0# Csg (12.25" Hole) @ 300'
225 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

Submit 2 Copies
to Approver
State Office

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 26888
Santa Fe, New Mexico 87504-2688

Form O-100
Revised 1-1-89

DISTRICT I
P.O. Box 1000, Santa Fe, NM 87504
DISTRICT II
P.O. Box 100, Santa Fe, NM 87504
DISTRICT III
P.O. Box 100, Santa Fe, NM 87504

| | |
|--|--|
| 30-025-07558 | |
| STATE | NEW MEXICO |
| W.D. GRIMES (NCT-B) | |
| SUNDRY NOTICES AND REPORTS ON WELLS | |
| DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO CEMENT OR PLUG BACK TO A DEEPER RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM O-101) FOR SUCH PROPOSALS. | |
| 1. Type of Well
OIL ☒ GAS ☐ OTHER ☐ TAPED | 2. Location of Well
W.D. GRIMES (NCT-B) |
| 3. Name of Operator
CHEVRON U.S.A. INC. | 4. Well No.
8 |
| 5. Name of Reservoir
P.O. BOX 1150 MIDLAND, TX 79702 ATTN: WENDY KINGSTON | 6. Plug Name or Number
BOWERS-SR |
| 7. Well Location
County: LEA Section: 33 Township: 18S Range: 38E | 8. Well Depth
3636' |

| | | | |
|---|--|--|--|
| NOTICE OF INTENTION TO:
PLUG AND ABANDON
TEMPORARILY ABANDON
FULL DEPLETION
OTHER | | SUBSEQUENT REPORT OF:
PERMANENTLY ABANDONED
TEMPORARILY ABANDONED
CANNED TRY AND CMT JOB
OTHER | |
|---|--|--|--|

12. Operator Proposed to Comply with Government/Industry rules of pertinent details, and give pertinent facts, including estimated date of starting any proposed work 08/03/95.

PLUG #1, TAG CIPB @ 3100' DUMP 15 SX ON TOP TO 2956'. SET 25 SX F/2715'-2475'.
PLUG #2, 26 SX PLUG FROM 1670'-1430', COVER SALT ZONE.
PLUG #3, PERF & CIRC 100 SX FROM 250' TO SURF, COVERING 9.5# SHOE.
PLUG #4, FILL 5 1/2" TO SURF W/126 SX.
ALL PLUGS ARE CLASS C MEAT MIXED AT 14.3 PPM, 1.22 CMFT SX. DISPLACE HOLE W/9.5 PPM MUD LADEN FLUID. FULL DEAD MAN ANCHORS. FILL PITS, LEVEL LOCATION. PLACE P&A MARKER & CHANGE STATUS OF WELL TO P&A 12/8/95.

| | |
|--------------------------|----------------------------|
| TECH. ASSISTANT | DATE: 12/03/95 |
| WENDY KINGSTON | TELEPHONE NO. 913/667-7829 |
| APPROVED BY: [Signature] | DATE: 12/03/95 |

Production Casing

5.5", 14.0# J-55 Csg. (7.875" Hole) @ 3150'
775 sx - TOC @ 550' by Temp

Openhole 3150'-3229'

DTD @3229'



Drawn by: Ben Stone, 3/12/2013

PLUGGED WELL SCHEMATIC

State A-3 Well No.27

API 30-025-07561

760' FSL & 610' FEL, SEC. 33-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 6/18/1949

TA Status Date: 1/29/1993

P&A Date: 12/20/1997

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 40 sx
388' - 0'

P&A Marker

D.F. 3638'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 32.0# Csg (12.25" Hole) @ 338'
250 sx - Circulate to Surface

Spot 45 sx
1850'-1601'
(Tagged)

Circ. Hole w/
Mud Ladened Fluid

Spot 50 sx
Tagged @ 2606'

CIPB @ 3100'
(Set for 1993 TA Status)

Formation Fluids

3160'

DTD @3220'

<P&A SUBSEQUENT SUNDRY>

DISTRICT

P.O. Box 7000, Hobbs, NM 88240

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87505

WELL API NO. 30-025-07561

3. Indicate Type of Lease

FED ☐ STATE ☒ LEASE ☐

6. Date On B Case Lease No.

7. Lease Name or Unit Agreement Name

STATE A-3

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-100) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator: OCCIDENTAL PERMIAN, LTD

3. Address of Operator: 1017 W STANOLIND RD

4. Well Location

Unit Letter: P Section: 33 Township: 18S Range: 36E

5. Elevation Closest to Well: 3638' ASL

6. Elevation Closest to Well: 3638' ASL

7. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ PULL OR ALTER CASING ☐ OTHER ☐

SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPS ☐ CASING TEST AND CEMENT JOB ☐ PLUG & ABANDONMENT ☒ OTHER ☐

12. Describe Proposed or Completed Operations (If "a" state all pertinent details, including estimated date of starting any proposed work) SEE RULE 1145

NOTIFY THE NMOC (24 hrs) BEFORE DRILLING UP. (30-0160)

TAG CIPB @ 3100' CAP W/50 SXS CLASS C CMT TAG @ 2606'

CIRC WELL WITH M.L.P.

SPOT 25 SXS CMT @ 2610' Tag @ 1605'

SPOT 40 SXS CMT @ 388' TO SURF

CUT OFF WELLHEAD AND CASING 4' BELOW GROUND LEVEL. WELD STEEL PLATE WITH LEGAL INFORMATION TO CASING 4' BELOW GROUND LEVEL.

ROPE CLEAN LOCATION

Rig Up Date: 12/20/1997

Rig Down Date: 12/20/1997

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

SIGNATURE: *Robert L. Gilbert* TITLE: SR. ENGINEER

DATE: 12/20/1997

TYPE OR PRINT NAME: R. M. GILBERT TELEPHONE: 706/977-4206

(This space for State Use)

APPROVED BY: *Johnny Polanco* TITLE: COMPLIANCE OFFICER

DATE: DEC 30 2002

CONDITIONS OF APPROVAL: GWW

Production Casing

5.5", 14.0# J-55 Csg. (7.875" Hole) @ 3160'
700 sx - Calc to Surface - Not Reported

Openhole 3160'-3220'

12/07/54: Fracked w/ 20,000 oil & 30,000 # sand.

SOS Consulting, LLC

Drawn by: Ben Stone, 3/12/2013

PLUGGED WELL SCHEMATIC

Pre-Ongard Well No.9

(Formerly State A-33 Well No.9)

API 30-025-07550

585' FSL & 585' FWL, SEC. 33-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 10/03/1948

P&A Date: 1/13/1971

Well plugged by:
Continental Oil Company

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 10 sx
75' - 0'

P&A Marker

C.H.F. 3629'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

10.75", 32.75# Csg (13.375" Hole) @ 371'
300 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| | |
|--------------------------|--|
| NO. OF SUNDRIES RECEIVED | |
| DATE RECEIVED | |
| DATE A P S | |
| FILE | |
| U.S.G. # | |
| LAND OFFICE | |
| OPERATOR | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-143
Superior Oil
C-143 and C-143
Effective 1-1-66

| | |
|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | |
| 1. Name of Operator
Continental Oil Company | 2. Name of Lessee
A-33 |
| 3. Address of Operator
Box 148, Hobbs, New Mexico | 4. Well No.
9 |
| 5. Location of Well
M 585 | 6. Field and Pool or Section
Benton 7th Sec. 33 |
| 7. Date of Notice
3-23-71 | 8. Date of Report
3-23-71 |
| 9. Name of Operator
Continental Oil Company | 10. Name of Lessee
A-33 |
| 11. Name of Operator
Continental Oil Company | 12. Name of Lessee
A-33 |

| | |
|---|---|
| 13. Check appropriate box to indicate nature of notice, request or other data | 14. Check appropriate box to indicate nature of notice, request or other data |
| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
| REPAIR OR REPAIR WORK | REPAIR OR REPAIR WORK |
| REPAIR OR REPAIR WORK | REPAIR OR REPAIR WORK |
| REPAIR OR REPAIR WORK | REPAIR OR REPAIR WORK |

15. Describe in brief the operations (Clearly state all pertinent details, and give precise data, including estimated date of starting any proposed work) SEE REG. # 100.

This well was plugged and abandoned by the following procedures:
Set a 4 1/2" sx cement plug over perforations from 3100' to 3170'.
Filled well hole with 10# mud & spotted a 10# mud cement plug at surface. Capped well with dry hole marker.
Work started and completed 1-18-71. Left 5.5" 17# casing in hole from surface to 3110'.

| | | | |
|---|---|--------------------------------------|-------------------------|
| 16. I hereby certify that the information above is true and correct to the best of my knowledge and belief. | 17. Signature of Operator
John W. Ramsey | 18. Signature of Lessee
Ben Stone | 19. Date
MAR 22 1971 |
|---|---|--------------------------------------|-------------------------|

Production Casing

5.5", 17.0# csg. (7.875" Hole) @ 3210'
1000 sx - Calc. to Circ. Not Rpt'd

Spot 40 sx
3170' to 3100'

3199'

Recomplete Apr-Jun 1955: Deepen to 3235 and Perforate. Frac perf intervals.

Perfs 3100'-34'

Perfs 3158'-70' (Orig.)

TD @3200' Original

DTD @3235'



Drawn by: Ben Stone, 3/11/2013

PLUGGED WELL SCHEMATIC **Conoco State Well No.2**

API 30-025-23856
2086' FSL & 2086' FWL, SEC. 33-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/30/1971
P&A Date: 12/11/2003

Well plugged by:
Saga Petroleum

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs @ 320'
Sqz w/ 200 sx
(Circ. All Strings)
Sqz Perfs @ 452'
Sqz w/ 50 sx Tag @ 327'

Sqz Perfs @ 1500'
200 sx

Sqz Perfs @ 1700'
CICR @ 1793'

1. Killed well w/ 12# Mud
2. Set CICR @ 1793'
3. Pump 1200 sx thru CICR
4. Perf @ 1700' - Flowed Water
5. Killed well w/ 15# Mud
6. Set CICR @ 1503' - Sqz w/ 200 sx
7. Perf @ 452' - Sqz w/ 50 sx
8. Perf @ 320' - Sqz w/ 200 sx - Circ. to Surf.

Well Killed w/ 12# Mud

P&A Marker

G.R. 3635'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

13.375", 48# Csg. (17.0" Hole) @ 402'
410 sx Class 'C' - Circulated

Remedial 5/14/85: Sqz down 9-5/8" w/ 375 sx Tagged w/ R/A Tracer
Cement in formation 2454'-2424' w/ Hot Spots 2038' to 232'; Water Flow Shut Off

Intermediate Casing

9.625", 32/36/40# Csg. (12.25" Hole) @ 3797'
350 sxs Class 'C' - TOC @ 998' Calculated

<P&A SUBSEQUENT SUNDRY>

| SUNDRY NOTICES AND REPORTS ON WELLS | | 1. Local Plans or Well Agreement Plans | |
|---|---------------------------------------|--|---|
| (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR REDEVELOP OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-102) FOR SUCH PROPOSALS.) | | CONOCO STATE | |
| 1. Type of Well
a. ☒ PROD. ☐ REDEV. ☐ OTHER | 2. Name of Operator
Saga Petroleum | 3. Well No.
2 | 4. Well Name
Hobbs Upper Blinney/Hobbs Drakart |
| 5. Address of Operator
A15 W. Wall, Suite 1980, Midland, TX 79701 | | 6. Well Status
Producing | |
| 7. Well Location
T18S R38E S33
Section 33 Township 18S Range 38E Meridian 10E
34.35° E | | | |

| 15. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | |
|---|---|
| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
| PERFORM REMEDIAL WORK ☐ | REMEDIAL WORK ☐ |
| TEMPORARILY ABANDON ☐ | COMMENCE DRILLING OPER. ☐ |
| PULL OR ALTER CASING ☐ | CASING TEST AND CEMENT JOB ☐ |
| OTHER: ☐ | OTHER: ☒ |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated date of completion, if any, and well size, etc.)

12/05/03 Pump 12# mud to kill well.

12/05/03 SU & J Services and pump 1200 sx est. under 7" cat. ret. @ 1793' only displaced ret. WOC

12/06/03 Stung into cat. and test to 600 PSI and hold.

12/06/03 Perf. above cat. ret. @ 1700', well started flowing water. Pump 450 mud to kill well. Set 7" cat. ret. @ 1503', sqz. w/ 200 sx cat. @ 3 BPH @ 600 PSI and displaced cat. WOC. Stung into cat. and pressure test to 300 PSI and hold.

12/10/03 Perf. above ret. @ 1500' and pressure up to 600 PSI w/ slow bleed off.

12/10/03 CIR w/ thg. to 1500', upon 35 sx cat. WOC & tag WOC @ 1298'.

12/11/03 Perf. @ 452' establish rate @ 1.5 BPH @ 800 PSI w/no returns out of 9-5/8". Set plr. @ 193', sqz. w/ 50 sx cat. displaced TOP down to 350', WOC & tag WOC @ 327'.

12/11/03 Perf. @ 320' pump down 7" and establish circ. out of 9-5/8" & 13-3/8" cas. Circ. cat. to surface in all strings w/ 200 sx cat. - 200' @ surface.

12-14-03 Cut off WOC, install 48# hole marker & class 'C' casing.

12/15/03

Approved by: *[Signature]* Date: 12/15/03

432-530-0907

Recompletion 10/11/72: Add Perfs 5830'-91' and 6523'-33'
Acdz Upper w/ 5000 gals. HCl; Frac Lower w/ 20,000 gals. Gel w/ 3/4# gal. 20/40 sand

Perfs 6681'-6722'

Original Completion

Production Casing

7.0" 23.0# Csg. (8.75" Hole) @ 7075'
600 sxs - TOC @ 3503' Calculated

Perfs 6764'-6963'

PBTD @ 7045'

TD @ 7075'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/19/2013

2060' FSL & 660' FWL, SEC. 33-T18S-R38E
LEA COUNTY, NEW MEXICO

P&A Date: 1/13/1971

13.375", 48# Csg (17.5" Hole) @ 362'
300 sx - Circulate to Surface

5.5", 17.0 & 14.0# csg. (7.875" Hole) @ 3199'
1200 sx - Calc. to Circ. Not Rpt'd

PLUGGED WELL SCHEMATIC

Pre-Ongard Well No.11

(Formerly State A-33 Well No.11)

API 30-025-07552

2310' FNL & 2310' FEL, SEC. 33-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 5/12/1949

P&A Date: 3/18/1987

Well plugged by:
Conoco, Inc.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 20 sx
100' - 0'

470' to 270'
Spot 20 sx

Note: Well was originally P&A'd 1/13/1971
Re-Entered and Recompleted 11/25/1986

1620' to 1370'
Spot 20 sx

Circulate Hole w/
80 bbls. Plugging Mud

2850' to 2600' (Tagged)
Spot 35 sx

P&A Marker

G.L. 3646'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

10.75", 32.75# Csg (13.75" Hole) @ 402'
375 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| SUNDRY NOTICES AND REPORTS ON WELLS | | DO NOT USE THIS FORM FOR PRODUCE, P&A, OR TO REPORT ON A WELL IN A DIFFERENT REGION. | |
|---|-------------------|--|--|
| 1. Well Name | 2. Well No. | 3. Unit Agreement Name | |
| CONOCO INC. | | State A-33 | |
| 4. Address of Operator | 5. Well No. | 6. Field No. | |
| P.O. Box 460 - Hobbs, New Mexico 88240 | | | |
| 7. Location of Well | 8. Date of Notice | 9. Name of Well | |
| Unit Letter G 2310 FEET FROM THE SURFACE AND 2310 FEET FROM THE EAST LINE, SECTION 33, T18S, R38E | | Recess Seven Runs | |
| 10. Elevation (Show whether OF, RT, LA, etc.) | 11. County | | |
| | Lea | | |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

| | | | |
|-------------------------|------------------|----------------------|----------------------|
| PROPOSED REVISION, WORK | PLUG AND ABANDON | REVISIONS TO BE MADE | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLUG | REVISIONS TO BE MADE | PLUG AND ABANDONMENT |
| OTHER | | | |

17. Description Proposed or Completed Operations (Clearly state all pertinent details, and give approximate dates, including estimated date of starting any proposed work) SEE RULE 8-100.

Work started 3/15/87. MISC. POOH w/ Hg. 0.1H w/ Hg. to 3100'. Circulate wellbore w/ 80 bbls mud. Spot 35 sx class "c" cement w/ 4% CaCl₂ from 2850'-2500'. Wait on cement 3 hrs. Tag cement at 2600'. Spot 20 sx class "c" neat cement from 1620'-1370'. POOH w/ Hg. Spot 20 sx class "c" w/ 4% CaCl₂ from 470'-270'. POOH. Tag top of cement at 290'. Circulate 20 sx class "c" neat from 100' to surface. R; down. Install P&A marker. Work completed on 3/15/87

| | | |
|--|--|---------------------|
| 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. | Signature of Administrative Supervisor | Date August 18 1987 |
| Signature of Oil & Gas Inspector | Title OIL & GAS INSPECTOR | Date SEP 10 1987 |

Production Casing

5.5", 17.0# csg. (7.875" Hole) @ 3190'
1200 sx - Calc. to Circ. Not Rpt'd

Recompletion 11/25/86: Re-Entry - DO & CO Plugs to 3187'

Perfs 3090'-98', 3115'-22, 3150' and 3162' (1 jspl)

Frac w/ 16,000 gals w/ 19,800# 10/20 sand + flush

Original Perfs 3152'-61' (4 jspl)

3190'

DTD @3194'

PBTD @3187'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/11/2013

PLUGGED WELL SCHEMATIC
Pre-Ongard Well No.5
(Formerly East Grimes Well No.5)
API 30-025-07557
 550' FNL & 2086' FEL, SEC. 33-T18S-R38E
 LEA COUNTY, NEW MEXICO

Well plugged by:
Gulf Oil Corporation

Spud Date: 5/11/1948
 TA Status Date: 7/11/1958
 P&A Date: 4/18/1960

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 10 sx
 80' - 0'

P&A Marker

G.L. 3652'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

9.625", 40# Csg (13.375" Hole) @ 312'
 375 sx - Circulate to Surface

312'

<P&A SUBSEQUENT SUNDRY>

Loaded Hole w/
 Heavy Mud

Spot 35 sx
 3226' to 2946'

3130'

DTD @3226'

| NEW MEXICO OIL CONSERVATION COMMISSION | | | | | | FORM C-100
(Rev 3-54) |
|--|--------------------|---|---|---|--------------------|--------------------------|
| MISCELLANEOUS REPORTS ON WELLS | | | | | | |
| <i>(Submit to appropriate District Office on per Commission Rule 119d)</i> | | | | | | |
| Name of Company Gulf Oil Corporation | | | Address Box 2167, Midway, New Mexico | | | |
| Lease N. E. Grimes (M-3) | Well No 5 | Unit Spacer | Spigot | Turnover 10-0 | Range 30-2 | |
| Date 4-18-60 | Pool Sumner | County Lea | | | | |
| THIS IS A REPORT OF: (Check appropriate block) | | | | | | |
| ☒ Exploring Drilling Operations ☐ Casing Test and Cement Job ☐ Other (Explain) | | | | | | |
| ☐ Plugging ☐ Remedial Work | | | | | | |
| Detailed account of work done, nature and quantity of materials used, and results obtained. | | | | | | |
| Plugged and Abandoned as follows:
1. Loaded hole with heavy mud.
2. Spotted 35 sx cement 3226-2946'.
3. Pressure tested 3/4" casing with 1000' for 30 minutes. No drop in pressure.
4. Spotted 10 sx cement from 80' to surface in 3/4" casing.
5. Installed 2" pipe marker extending 4' above ground. | | | | | | |
| Witnessed by J. H. McPherson | | Production Person Gulf Oil Corporation | | Company Gulf Oil Corporation | | |
| FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY | | | | | | |
| ORIGINAL WELL DATA | | | | | | |
| OF Elev. | TD | PSTD | Producing Interval | Completion Date | | |
| Tubing Diameter | Tubing Depth | Oil String Diameter | Oil String Depth | | | |
| Perforated Interval(s) | | | Producing Formation(s) | | | |
| Open Hole Interval | | | | | | |
| RESULTS OF WORKOVER | | | | | | |
| Test | Date of Test | Oil Production BPD | Gas Production MCFPD | Water Production BPD | GOR Cubic feet/Bbl | |
| Before Workover | | | | | | |
| After Workover | | | | | | |
| OIL CONSERVATION COMMISSION | | | | I hereby certify that the information given above is true and complete to the best of my knowledge. | | |
| Approved by Leslie A. Chambers | | | Name W. Russell | | | |
| Title | | | Position Area Production Manager | | | |
| Date | | | Company Gulf Oil Corporation | | | |

Production Casing

5.5", 14.0# H-40 Csg. (7.875" Hole) @ 3130'
 700 sx - Calc. to Circ. Not Rpt'd

Openhole 3130'-3262'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/11/2013

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.431

API 30-025-07568

1640' FSL & 1190' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 2/08/1938

TA Status Date: 11/15/1999

P&A Date: 3/06/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

P&A Marker

G.L. 3624'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 45# Csg (17.5" Hole) @ 200'

200 sx - Circulate to Surface

Sqz Perfs 407'
Sqz w/ 210 sx - Circ. to Surf.

Spot 25 sx
2010' to 1856'

Circulate Hole w/
Plugging Mud

Spot 25 sx
4010' to 3856'

CIBP @ 4010'
(Set for 11/99 TA Status)

Formation Fluids

4063'

DTD @ 4241'

| SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT FORM C-101 FOR SUCH PROPOSALS.) | | License Name or Unit Agreement Name
North Hobbs (GSA) Unit |
|---|--|---|
| Type of Well
Oil ☒ Gas ☐ Other ☐ | Well No.
431 | Well Name or Number
Hobbs, Grayburg-San Andres |
| Name of Operator
Occidental Permian, Ltd | Well Location
1917 W. Stansford Rd. Hobbs, New Mexico 88240 | Well Status
Well |
| Well Location
T18S R38E S34 | Well Depth
1190' | Well Type
Well |
| Well Status
Well | Well Type
Well | Well Type
Well |

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | |
|---|---|
| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
| PERFORM REMEDIATION WORK ☐ | PLUG AND ABANDON ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLUGS ☐ |
| PULL OR ALTER CASING ☐ | OTHER ☐ |
| OTHER ☐ | OTHER ☐ |

Describe Proposed or Completed Operations. Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. (SEE RULE 110)

03/06/2004 Tagged existing CIBP @ 4010'. Circulate well w/ plugging mud. Spot 25 sbs of cement on top of CIBP @ 4010'-3856'
Spot 25 sbs of cement @ 2010'-1856'
03/07/2004 Perf. @ 407' Circulate 210 sbs of cement around to surface
Cut off well head & anchors if BGL. Cap well w/ steel plate. Weld legs to plate and attach in wellhead if BGL.

Approved as to plugging of the Well Bore
Liability under bond is retained until
surface restoration is completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE *Robert Gilbert* TITLE *W.O. Corp. Specialist* DATE *4-5-09*
TYPE OR PRINT NAME *Robert Gilbert* TELEPHONE NO. *397-8206*
(This space for State Use)
APPROVED *Harry W. Wink* O&G FIELD REPRESENTATIVE W/STAFF NUMBER *431* DATE *APR 07 2004*
CONDITIONS OF APPROVAL, IF ANY

Production Casing

7.0", 22.0# Csg. (9.625" Hole) @ 4063'

800 sx - TOC @ 1008' by Calc.

Openhole 4063'-4241'

Acidized w/ 2000 gals. HCl

SOS Consulting, LLC

Drawn by: Ben Stone, 2/13/2013

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.421

API 30-025-07573

2485' FNL & 1184' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/29/1961

P&A Date: 10/27/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Perfs 422'
Sqz 70 sx to Surface

1650' to 1393'
Spot 25 sx

Sqz Perfs 1750'
Sqz 50 sx thru
CICR @ 1650'

2900' to 2643'
Spot 25 sx

Sundry Intent indicates:
Circulate Hole w/
9.5# Plugging Mud

CIBP @ 4130'
Cap w/ 25 sx
4130' to 3873'

Formation Fluids

P&A Marker

G.L. 3630'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# Csg (12.25" Hole) @ 372'
375 sx - Circulate to Surface

<P&A SUBSEQUENT SUNDRY>

| SUNDARY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | | 7. Lease Name or Well Agreement Name
M. HOBBS (G/SA) UNIT |
|---|---|--|
| 1. Type of Well
WELL ☒ OILWELL ☐ | 2. Name of Operator
ALTURA ENERGY LTD. | 8. Well No.
421 |
| 3. Address of Operator
P.O. BOX 4294 HOUSTON, TEXAS 77218-4294 | 9. Field name or Well No.
HOBBS (G/SA) | |
| 4. Well Location
Section 34 Township 18-S Range 38-E NE1/4 LEA, NM | 10. Well Depth
3630' GS | |

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|---|--|---|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | PERFORM REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPER. ☐ | PLUG AND ABANDONMENT ☐ |
| PULL OR ALTER CASING ☐ | OTHER ☐ | CASING TEST AND CEMENT JOBS ☐ | |

11. Sundry Intent indicates: Circulate Hole w/ 9.5# Plugging Mud

12. Sundry Intent indicates: Circulate Hole w/ 9.5# Plugging Mud

13. 10/24/97 CIBP 4130', SPOT 25 SXS CHY. (PLUS #1 4130'-3873')
 14. 10/24/97 2900' 25 SXS. (PLUS #2 2900'-2643')
 15. 10/24/97 PERF 4 HOLES 1750'. REH CIBP 1650'. SQZ 30 SXS UNDER RT.
 16. 10/24/97 25 SXS. (PLUS #4 1650'-1393')
 17. 10/27/97 PERF 4 HOLES 422' SPOT 70 SXS CHY ON 8-5/8" & 4-1/2" TO SURFACE.
 18. 10/27/97 CUT OFF WELL HEAD & INSTALL DRY HOLE MURDER.

Signature: *John A. Dutton* Date: 10/27/97
 Signature: *Joe A. Gutierrez* Date: 10/27/97
 Signature: *Steve* Date: 11-9-05

Production Casing

4.5", 11.6# Csg. (7.875" Hole) @ 4303'
500 sx - TOC @ 2620' by Lane Wells CTL

1st Recomplete 11/82: Add Perfs 4207'-11', 16'-20', 26'-30' and 4250'-57' (2 jsf)

Acidize w/ 85 bbls. HCl-NEA

Original Perfs 4236'-40' and 4248'-50' (4 jsf)

Acidize w/ 2000 gals. Acetic & Dowell XW

Frac w/ 40,000 gals w/ T2,500# sand

2nd Recomplete 9/88: Add Perfs 4270'-95' (2 jsf)

Acidize w/ 2000 gals. HCl



Drawn by: Ben Stone, 2/13/2013

TD @4303'

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.1

API 30-025-07575

660' FNL & 660' FWL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/12/1934

TA Status: 6/11/1998

P&A Date: 8/30/2002

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 270' - 0'
Cmt Fill to Surf.
223'
Sqz Perfs @ 275'
Sqz w/ 85 sx

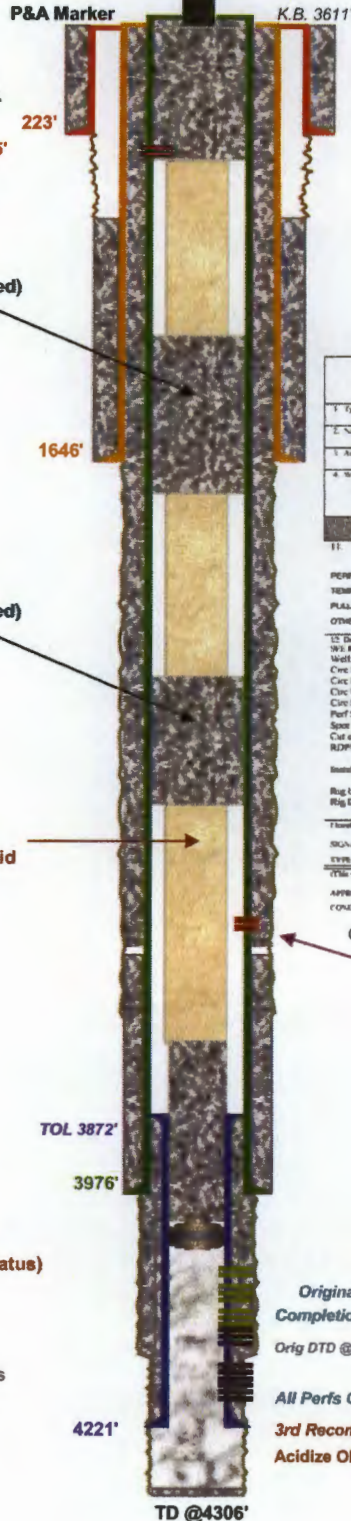
1748'-1044' (Tagged)
Spot 50 sx

3040'-2670' (Tagged)
Spot 30 sx

Circ. Hole w/
Mud Ladened Fluid

CIBP @ 4097'
(Set for 6/1998 TA Status)

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing
16.0", 70# csg. (20.0" Hole) @ 223'
90 sx El Toro - Circulated

Intermediate Casing
10.75", 40# csg. (13.625" Hole) @ 1646'
350 sx El Toro - TOC @ 561' Calc.

<P&A SUBSEQUENT SUNDRY>

| SUNDRY NOTICES AND REPORTS ON WELLS | | 1. Lease Name or U. of. Agreement Name | | | | | | | | | | | | | | | | | |
|--|------------------|--|---------------------|-----------------------|------------------|---------------|-----------------|---------------------|--------------|-------------------------|---------------------|----------------------|--|----------------------------|--|-------|--|-------|--|
| DO NOT USE THIS FORM FOR PERSONALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-10) FOR SUCH PERSONALS. | | SOUTH HOBBS (GSA) UNIT | | | | | | | | | | | | | | | | | |
| 2. Name of Operator
OCCIDENTAL PERMIAN LTD. | | 3. Well No. (G) | | | | | | | | | | | | | | | | | |
| 4. Address of Operator
1817 W. Steelhead Rd., HOBBS, NM 88340 | | 5. Pool Name or Well Name
HOBBS (GSA) | | | | | | | | | | | | | | | | | |
| 6. Well Location
East Corner 660' Feet From The NORTH 1.00 and 660' Feet From The WEST 1.00
Section 34 Township 18S Range 38E NE/4 1/4 | | 7. State
N.M. | | | | | | | | | | | | | | | | | |
| 8. Well Depth (Show whether D.F. R.A. RT. or L.)
3630' GL | | 9. Casing | | | | | | | | | | | | | | | | | |
| 11. NOTICE OF INTENTION TO:
Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
SUBSEQUENT REPORT OF:
<table border="0"> <tr> <td>PERFORM REMEDIAL WORK</td> <td>PLUG AND ABANDON</td> <td>REMEDIAL WORK</td> <td>ALTERING CASING</td> </tr> <tr> <td>TEMPORARILY ABANDON</td> <td>CHANGE PLANS</td> <td>COMMENCE DRILLING OPER.</td> <td>PLUG & REABSORBMENT</td> </tr> <tr> <td>PLUG OR ALTER CASING</td> <td></td> <td>CASING TEST AND CEMENT JOB</td> <td></td> </tr> <tr> <td>OTHER</td> <td></td> <td>OTHER</td> <td></td> </tr> </table> | | | | PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING | TEMPORARILY ABANDON | CHANGE PLANS | COMMENCE DRILLING OPER. | PLUG & REABSORBMENT | PLUG OR ALTER CASING | | CASING TEST AND CEMENT JOB | | OTHER | | OTHER | |
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING | | | | | | | | | | | | | | | | |
| TEMPORARILY ABANDON | CHANGE PLANS | COMMENCE DRILLING OPER. | PLUG & REABSORBMENT | | | | | | | | | | | | | | | | |
| PLUG OR ALTER CASING | | CASING TEST AND CEMENT JOB | | | | | | | | | | | | | | | | | |
| OTHER | | OTHER | | | | | | | | | | | | | | | | | |
| 12. Describe Proposed or Unproven Operations (Describe case all previous details and give previous dates including estimated date of starting any proposed work)
Well is a TA 4 well. CIBP set @ 4097' Spot 31 set on CIBP @ 3997'. Tag TOC @ 3997'.
Circ Mud Gd from 3997' to 3025' Spot case from 3025' to 3772' Top of S' liner @ 3772'.
Circ Mud Gd from 3772' to 3650' Spot case from 3650' to 3494' Bot of Ashby @ 3494'.
Circ Mud Gd from 3494' to 1700' Spot case from 1700' to 1550' Top of Ashby @ 1550'. Bot of 16-3/4" csg @ 1547'.
Circ Mud Gd from 1550' to 275' Tag case @ 1550'.
Perf Sqz holes @ 275'. Could not get any more. Called NMOC. Perf Sqz holes @ 201'. Could not get any more. Called NMOC.
Spot case from 275' to surface.
Cut off wellhead and install dry hole marker.
BOPML Clear Location.
Install dry hole marker 4' below ground level due to its location. SHL 001 UL - D, 660' FNL, 660' FWL.
Plug Up Date: 08/28/2002
Plug Down Date: 08/30/2002
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE: <i>Robert J. Smith</i> TITLE: SR. ENGINEER
TYPE OR PRINT NAME: Robert J. Smith DATE: 08/30/2002
APPROVED BY: <i>Johnny Robinson</i> TITLE: (P&A) STAFF OFFICER DATE: DEC 1 0 2002
CONTENTS OF APPROVAL: | | | | | | | | | | | | | | | | | | | |

Remedial / 1st Recomplete: 3/04/1948: Perf @ 3195' &
Sqz w/ 1300 sx - Circ. to surface; Ran 5" LNR to 4221'
Perforate 4130'-50' and 4160'-90' w/ 6 spf; Acdz & Rtn to Prod.

Production / Inter. Casing
7.0", 22# csg. (12.25" Hole) @ 3976'
150 sx El Toro - TOC @ 3306' by Calc.

Remedial / 2nd Recompletion 10/04/78: D/O to 4246';
Perf 4080'-86', 4090'-4104' and 4114'-30';
Acidize OH w/ 3000 gals./ Lwr Perfs w/ 3500 gals.
Isolate w/ BP and Acdz Upr Perfs w/ 2000 gals.; Rtrv BP & Rtn to Prod.

Original Openhole
Completion 3976'-4199'
Orig DTD @ 4199'
All Perfs Open: 4080' to 4190'
Production Liner
5.0", 18.0# N-80 Csg. (6.75" Hole) @ 4221'
50 sx 'C' - TOC @ TOL

3rd Recompletion 4/17/90: D/O new hole to 4306' w/ 4.125 bit
Acidize OH w/ 2000 gals.

SOS Consulting, LLC

Drawn by: Ben Stone, 2/15/2013

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.311

API 30-025-12509

1022' FNL & 2310' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Well plugged by:
Occidental Permian, LTD

Spud Date: 7/18/1935

P&A Date: 6/29/2011

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

* Proximity to Public Bldgs

P&A Marker 4' BGL*

G.R. 3641'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50.0# Csg. (Assumed 13.5" Hole) @ 282'
50 sx El Toro - Circ. to Surface

Intermediate Casing

9.625", 36.0# Csg (Assumed 12.25" Hole) @ 1700'
625 sx El Toro - Circ. to Surface

<P&A SUBSEQUENT SUNDRY>

| | | |
|---|---|--|
| SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT - FORM C-101) FOR SUCH PROPOSALS.) | | 7. Lease Name or Unit Agreement Name:
North Hobbs G/SA Unit |
| 1. Type of Well:
Oil Well ☒ Gas Well ☐ Other ☐ | 2. Name of Operator:
Occidental Permian Ltd. | 8. Well Number:
311 |
| 3. Address of Operator:
P.O. Box 4294 Houston, TX 77210-4294 | 4. Well Location:
Unit Lease 8 1022' feet from the North line and 2310' feet from the East line
Section 34 Township 18-S Range 38-E NMPH County Lea | 9. OGRUD Number:
157964 |
| 11. Elevation (Show whether DR, RKB, RT, G.R., etc.)
3641' GR | | 10. Foot name or Wildcat
Hobbs - Grubbs-San Andres |

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL. ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☒
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Plug and abandon the subject well as follows:

6/27/11 6/29/11:

NI x RU plugging unit. NO MI x RU BOP. RIH with perf sub on 128 jts. production tubing. RU pump truck x circulate well with 75 bbls 10 ppg mud-laden fluid. Tag existing CIBP at 4060'. Spot 30 sx. cement on tag x flush with 22 bbls 10 ppg mud. Pull uphole x spot 30 sx. cement at 2918'. POOH with tubing x RIH with 7" AD-1 packer x set at 1585'. RIH with wireline x tag at 2685'. Pull uphole x perforate at 1820'. Establish injection rate into perfs - 2 bbls per minute @ 1400 psi with full returns. Mix and pump 100 sx. C1. C x flush with 13 bbls 10 ppg mud. Release packer and reset at 30'. RIH with wireline x tag plug at 1580'. Pull uphole x perforate at 400'. NO BOP x NO MI. Circulate 120 sx. cement from 400' to surface. NO plugging unit x clean location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE: Mark Stephens TITLE: Regulatory Compliance Analyst DATE: 7/12/11
Type or print name: Mark Stephens E-mail address: Mark_Stephens@ocp.com PHONE: (713) 366-5158

APPROVED BY: Malay Stephens TITLE: Compliance Officer DATE: 7/25/2011
Conditions of Approval (if any):

25 (u)

Production / Inter. Casing

7.0", 23.0# csg. (Assumed 11.5" Hole) @ 4134'
850 sx El Toro - TOC @ 2470' by Calc.

Recomplete 11/08/82: D/O to 4254';

Acadz w/ 7000 gals. 15% HCl NEA; Rtn to Prod.

Openhole 4134' to 4254'

Original DTD 4241'



Drawn by: Ben Stone, 2/18/2013

Tag Existing CIBP @ 4060'
(No record of date set)

Spot 30 sx on CIBP

Circ. Hole w/
10# Mud Ladened Fluid

Spot 30 sx
2918'-2685' (Tagged)

Sqz Perfs @ 1820'
Sqz w/ 100 sx @ 2 bpm
Tag @ 1580'

Sqz Perfs @ 400'
Circ. 120 sx 400' - 0'

Formation Fluids

TD @4254'

4134'

282'

1700'

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.321

API 30-025-12510

2310' FNL & 2310' FEL, SEC. 34-T18S-R38E

LEA COUNTY, NEW MEXICO

Well plugged by:
Altura Energy, LTD

Spud Date: 3/16/1935

P&A Date: 10/30/1997

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 25 sx
174' - 0'

Spot 25 sx
326' - 174'

Spot 25 sx
1700' - 1548'

Sqz Perfs @ 1800'
Sqz w/ 35 sx @ 2.25 bpm
Thru CICR @ 1700'

Spot 25 sx
2400' - 2543'

Circ. Hole w/ 9.5# Mud

Spot 25 sx
4000' - 3848'
CIBP @ 4000'

Formation Fluids

P&A Marker

G.R. 3635'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50.0# Csg. (Assumed 13.5" Hole) @ 276'
150 sx El Toro - Circ. to Surface

Intermediate Casing

8.625", 32.0# Csg (Assumed 12.25" Hole) @ 1677'
250 sx El Toro - Circ. to Surface

<P&A SUBSEQUENT SUNDRY>

| SUNDRY NOTICES AND REPORTS ON WELLS | | | |
|--|--|---|---|
| (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | | | |
| 1. Name of Well
G.S. WELL ☐ OTHER ☐ | 7. Lease Name or Use Agreement Name
H. HOBBS (G/S) UNIT | | |
| 2. Name of Operator
ALTURA ENERGY LTD. | 8. Well No.
34-321 | | |
| 3. Address of Operator
P.O. BOX 4594 HOUSTON, TEXAS 77210-4594 | 9. Production of Well
HOBBS (G/S) | | |
| 4. Well Location
Township 34 North Range 23 East Section 36 | 5. Well Depth
2310' | 6. Well Flow Rate
2310' | 7. Well Flow Rate
2310' |
| 10. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | AS FENCED CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPER. ☐ | PLUG AND ABANDONMENT ☐ |
| PULL OR ALTER CASING ☐ | | CASING TEST AND CEMENT JOB ☐ | |
| OTHER ☐ | | OTHER ☐ | |

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ AS FENCED CASING ☐ COMMENCE DRILLING OPER. ☐ PLUG AND ABANDONMENT ☐ CASING TEST AND CEMENT JOB ☐ OTHER ☐

12. On each subsequent completed operation, check appropriate box to indicate nature of notice, report, or other data. (Check appropriate box to indicate nature of notice, report, or other data.)

- 1) 10/27/97 HOBBS PULLING UNIT
- 2) 10/28/97 L/D MEDIA CABLE
- 3) 10/28/97 SET CIBP 4000' CIRC 9.5# MUD
- 4) 10/29/97 CIBP 4000' 25 SXS. (PLUG AT 4000' - 3848')
- 5) 10/29/97 25 SXS. (PLUG AT 2760' - 2543')
- 6) 10/29/97 PERFORM SET CIBP 1700'
- 7) 10/29/97 RUN PER 6-5/8" 2-1/4" BCLS PER 3400 PSI.
- 8) 10/30/97 1700' SET 25 SXS UNDER CIBP.
- 9) 10/30/97 1700' 25 SXS. (PLUG AT 1700' - 1548')
- 10) 10/30/97 325' 25 SXS. (PLUG AT 326' - 174')
- 11) 10/30/97 174' TO SURFACE.
- 12) 10/30/97 INSTALL CRY HOLE HANGER.

13. On each subsequent completed operation, check appropriate box to indicate nature of notice, report, or other data. (Check appropriate box to indicate nature of notice, report, or other data.)

14. On each subsequent completed operation, check appropriate box to indicate nature of notice, report, or other data. (Check appropriate box to indicate nature of notice, report, or other data.)

15. On each subsequent completed operation, check appropriate box to indicate nature of notice, report, or other data. (Check appropriate box to indicate nature of notice, report, or other data.)

16. On each subsequent completed operation, check appropriate box to indicate nature of notice, report, or other data. (Check appropriate box to indicate nature of notice, report, or other data.)

Production / Inter. Casing

6.625", 24.0# Csg. (Assumed 11.5" Hole) @ 4065'
250 sx El Toro - TOC @ 3020' by CBL

Openhole 4065' to 4210'

PBTD 4210' (Junk in hole)

TD @ 4220'

SOS Consulting, LLC

Drawn by: Ben Stone, 2/19/2013

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.331

API 30-025-07566

1980' FSL & 2310' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 2/10/1935
P&A Date: 12/21/1997

Well plugged by:
Aktura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Holes @ 304'
Sqz w/ 65 sxs
Circulate to Surface

Spot 25 sxs
1945'-1698'

Sqz Holes @ 1920'
Held 1000 psi

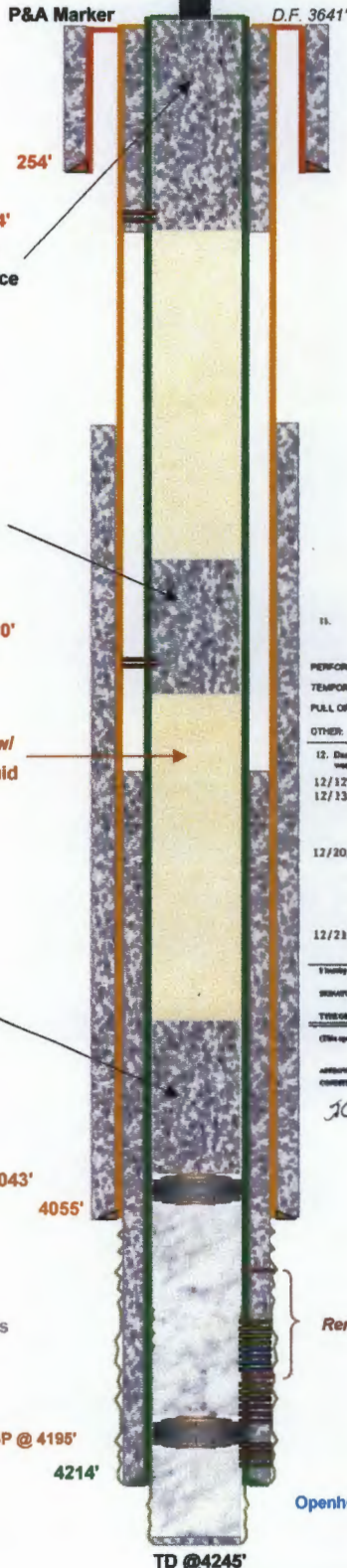
Circulated Hole w/
Mud Ladened Fluid

Spot 25 sxs
4000'-3753'

Set P&A CIBP @ 4043'

Formation Fluids

4th Recomp (8/88) - Plugged Lower Zone w/ CIBP @ 4195'



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# Csg. (Hole 16.0") @ 254'
200 sxs - Circulated to Surface

Intermediate Casing (Original Production String)

7.0", 22# Csg. (8.75") @ 4055'
500 sxs El Toro - TOC @ 1031' Calculated

<P&A SUBSEQUENT SUNDRY>

19. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|--------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | COMMENCE DRILLING OPS | ☐ |
| OTHER | ☐ | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER | ☐ |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 110.
- 12/12/97 1. HIRM PULLING UNIT WD WELL HUBOP.
 - 12/13/97 2. KILL WELL PULL 129 JTS 2-3/8" TNG L/D SEMMERGIBLE.
 3. RIN W/ML 5-1/2" CIBP SET AT 4043'.
 4. RIN W/TNG 129 JTS 2-3/8".
 5. RD INSTALL FENCE BACK ON LOC.
 - 12/20/97 6. CIRC HOLE W/ MLF.
 7. SPOT 25 SXS CMT FROM 4000'-3753'.
 8. PERP @ 1920' PRESSURE UP TO 1000# NO BLEED OFF.
 9. NOTIFIED OGD (GARY) OK TO FORD 25 SXS FROM 1950'.
 10. SPOT 25 SXS CMT FROM 1945'-1698'.
 11. PERP @ 304' SQZ 45 SXS 5-1/2"X7" CSG TO SURF.
 - 12/21/97 12. RD UNIT INSTALL DRY HOLE MARKER.

I hereby certify that the information shown is true and complete to the best of my knowledge and belief.

SUPERVISOR: JOSE A. GUTIERREZ TITLE: P&A SUPERVISOR DATE: 12/13/97

TELEPHONE NO: 505-392-6498

(This space for Item 10)

APPROVED BY: JOSE A. GUTIERREZ TITLE: D. H. M

Production Casing (Run 12/17/50)

5.0", 13# Csg. (6.25") @ 4214'
370 sxs - TOC @ 2200' by CBL

Remedial Work (5/55) - Sqz'd 5.0" thru Sqz Perfs @ 4100' and 4162' w/ 80 sxs

1st Recomp (12/50) - Added Perfs 4136'-44'

2nd Recomp (5/55) - Added Perfs 4176'-92' and 4198'-4202'

3rd Recomp (11/80) - Added Perfs 4118'-36', 60'-76' and 4202'-06'

Acidize - Return to Production

Openhole 4214'-4245' (Originally 4055'-4245')

SOS Consulting, LLC

Drawn by: Ben Stone, 5/19/2012

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.431

API 30-025-07568

1640' FSL & 1190' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 2/08/1938

TA'd Status: 11/15/1999

P&A Date: 3/07/2004

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Sqz Holes @ 407'
Sqz w/ 210 sxs
Circulate to Surface

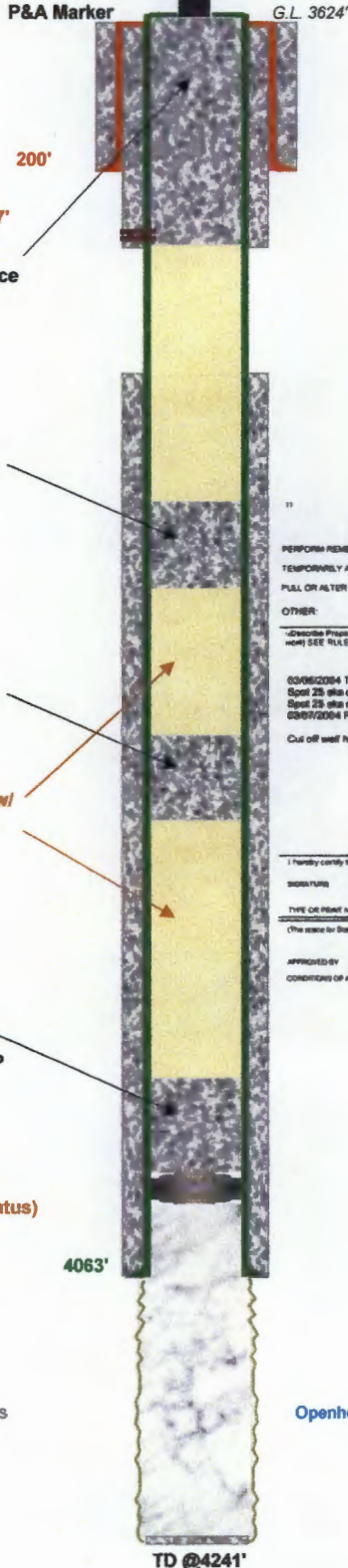
Spot 25 sxs
2010'-1856'

Spot 25 sxs
2810'-2656'

Circulated Hole w/
Plugging Mud

Spot 25 sxs
4010'-3856'
On Existing CIBP

CIBP @ 4010'
(Set for 1999 TA Status)



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# Csg. (17.5" Hole) @ 200'
200 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|------------------|----------------------------|------------------------|
| PERFORM REMEDIAL WORK | PLUS AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLUGS | COMMENCE DRILLING OPER. | PLUS AND ABANDONMENT X |
| PULL OR ALTER CASING | | CASING TEST AND CEMENT JOB | |
| OTHER: | | OTHER: | |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1105

03/06/2004 Trapped existing CIBP @ 4010'. Circulate well w/ plugging mud. Spot 25 sxs of cement on top of CIBP 4010'-3856'.
Spot 25 sxs of cement @ 2810'-2656'.
Spot 25 sxs of cement @ 2010'-1856'.
03/07/2004 Prod. @ 407' Circulate 210 sxs of cement around to surface.
Cut off well head & anchors 4' BGL. Cap well w/ steel plate. Weld legs to plate and attach to wellhead 4' BGL.

Approved as to plugging of the Well Bore.
Liability under bond is retained until
surface restoration is completed.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Robert Gilbert TITLE: WO Comp Specialist DATE: 4-5-04

TYPE OR PRINT NAME: Robert Gilbert TELEPHONE NO: 392-8206

(The name for State Use)

APPROVED BY: Harry W. Wink OIL FIELD REPRESENTATIVE II/STAFF MANAGER DATE: APR 07 2004

CONDITIONS OF APPROVAL, IF ANY:

Production Casing

7.0", 22# Csg. (9.625" Hole) @ 4063'
800 sxs - TOC @ 1008' Calculated

Formation Fluids

Openhole 4063'-4241'

TD @4241'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/21/2012

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.421

API 30-025-07573

2485' FNL & 1184' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/17/1961

P&A Date: 10/27/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

P&A Marker

G.R. 3630'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# Csg. (12.25" Hole) @ 372'
250 sxs - Circulated to Surface

Sqz Perfs @ 422'
Spot w/ 70 sxs
372'-299' (Tagged)

Spot 30 sxs
1650'-1393'

Sqz Perfs @ 1750'
Sqz w/ 30 sxs
thru CICR @ 1650'

Spot 25 sxs
2900'-2693'

Intent Sundry Indicates
Hole Circulated w/
9.5# Mud Ladened Brine

Cap w/ 25 sxs
4130'-3873'

Set P&A CIBP @ 4130'

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | SUBSEQUENT REPORT OF: | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | ALTERING CASING | ☐ |
| | | COMMENCE DRILLING OPS | ☐ |
| | | PLUG AND ABANDONMENT | ☐ |
| | | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER | ☐ |

12. Describe Perforations Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. SEE NOTE 1103)

- 1) 10/24/97 CIBP 4130', SPOT 25 SXS CHY. (PLUG #1 4130'-3873')
- 2) 10/24/97 2900' 25 SXS. (PLUG #2 2900'-2643')
- 3) 10/24/97 PERF 4 HOLES 1750', RTH CICR 1650', SQZ 30 SXS UNDER RT.
- 4) 10/24/97 25 SXS. (PLUG #4 1650'-1393')
- 5) 10/27/97 PERF 4 HOLES 422' SPOT 70 SXS CHY ON 8-5/8" & 4-1/2" TO SURFACE.
- 6) 10/27/97 CUT OFF WELL HEAD & INSTALL DRY HOLE MARKER.

complete

| | |
|---|----------------------------------|
| I hereby certify that the information given is true to the best of my knowledge and belief. | |
| SIGNED BY <u>Jose A. Gutierrez</u> | TITLE <u>P&A SUPERVISOR</u> |
| DATE <u>10/27/97</u> | TELEPHONE NO. <u>505-792-696</u> |
| OTHER SIGNATURE <u>[Signature]</u> DATE <u>11-9-05</u> | |

Production Casing

4.5", 11.6# Csg. (7.875" Hole) @ 4303'
500 sxs - TOC @ 2620' - Cement Top Log

1st Recomp (11/82) Additional Perfs 4207'-11',
4216'-20', 26'-30', 50'-57' - Acidize
Perfs 4238'-40' and 48'-50' (Original Comp)

2nd Recomp (9/88) Additional Perfs 4270'-95' - Acidize

4303'

DTD @ 4303'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/21/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.103

API 30-025-07574

SHL: 1980' FSL & 646' FWL, SEC. 34-T18S-R38E

BHL: 1378' FSL & 12' FWL, SEC. 34-T18S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 4/21/1930

SI Status: 7/31/1967

P&A Date: 11/28/1986

Note: Well was shut-in from 1967 to 1974

Well plugged by:
Amoco Production Co.

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot 33 sxs
PKR @ 211' 40'

Surface Casing

13.375", 50# csg. (Assumed 13.75" Hole) @ 40'

4.5 yds. Ready Mix - Filled to Surface

Spot 25 sxs
1772' - 1690'

Intermediate Casing

8.625", 32# csg. (Assumed 9.625" Hole) @ 3126'

700 sxs - Calculated to Surface - Not reported

Hole Displaced
w/ 10# Brine

Spot 350 sxs w/
PKR @ 2919'
Circ. 72 sxs out 8.25"

3126'

P/U PKR to 3075'
Spot 15% Acid & Circ. 8.25" Csg.

Sqz Perfs 3236'
Held 1000 psi

Spot 100 sxs @ 4084'

3997'

Openhole 3997'-4094'

TD @4094'

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

| | | | |
|--------------------------|------------------|----------------------------|----------------------|
| PROPOSED ADDITIONAL WORK | PLUG AND ABANDON | REWORKED HOLES | ALTERED C.S. DATA |
| TEMPORARILY ABANDON | DRILLAGE PLUGS | CHANGING DRILLING SPEED | PLUG AND HANDDOWN OF |
| PLUG TO ALTER CASING | OTHER | ENDING TEST AND CEMENT JOB | |

1.1. Services Provided by Completion Operations (Clearly state all pertinent details, and give accurate date, including assessment date of starting any proposed work) 1000 words max.

MI-RISU 11-28-06. Install BOP. RIH w/6-1/8 bit, 2-3/8 workstring and tag at 4094. Raise bit to 3999'. Displace hole w/150 bbls 10# brine. Rev. circ. 30 bbl 10# brine. RIH 2-3/8 tubing to 4084' and spot 100 sx Class C plug. Disp w/12 bw. Pull tubing to 3294'. POH RIH w/casing gun and perf 3236-3237 4 SPF. Load 7" casing w/19 bbls 10# brine. Pressure up 1030#. Held ok. Run Baker 7" fullbore 2-3/8 workstring to 3601'. Tag. Spot 14 bbls 10# brine gel. Pull tubing to 3267 and spot 250 gals 15% HCL. Raise and set packer to 3075'. Pressure up to 2000# and establish inj. rate 1 BPM, pump 50 bbls. Broke circulation out 8-1/4" casing. Release packer and raise to 2919'. Spot 350 sx Class C neat and disp. w/17 bbls water. Circulate 72 sx cement out 8-1/4 casing. Release packer, pull tubing and packer. Run 2-3/8 tubing open ended. Tubing at 3106'. Disp. hole w/117 bbl 10# brine gel. Tubing land at 1772'. Spot 25 sx cement. Pull up to 211'. Disp. hole w/33 sx Class C neat. Remove BOP. Dog out cellar. Cut off 7" casing. Install P&A marker. RD-MDSU 12-4-06.

A. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Steve Brownlee Admin. Analyst 12-9-86
OIL & GAS INSPECTOR JAN 26 1987

Production Casing

6.625", 24# csg. (Assumed 7.875" Hole) @ 3997'

50 sxs - TOC @ 3740' by Calc

SOS Consulting, LLC

Drawn by: Ben Stone, 5/05/2012

PLUGGED WELL SCHEMATIC

South Hobbs (GSA) Unit Well No.1

API 30-025-07575

660' FNL & 660' FWL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/12/1934

TA'd Status: 6/11/1998

P&A Date: 8/30/2002

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS: Spot Cement
275' to Surface
224'
Sqz Perfs 201'
Could not Pump In
Sqz Perfs 275'
Could not Pump In

Surface Casing

18.0", 70# csg. (Assumed 17.5" Hole) @ 224'
100 sx - Calculated to Surface - Not reported

Intermediate Casing

10.75", 45.5# Csg. (Assumed 13.75" Hole) @ 1647'
350 sx - TOC 846' Calculated

Spot 30 sx
1700'-1550'

1647'

Mud Gel Spotted
individually
Between all Plugs

Spot 30 sx
2650'-2494'

Spot Cement
3925'-3772'

TOL 3872'

Spot 35 sx on CIBP
4030'-3997'

3976'

CIBP @ 4030'
(Set for 1998 TA Status)

Formation Fluids

4221'

DTD @4306'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | | | | | |
|-----------------------|--------------------------|------------------|--------------------------|----------------------------|--------------------------|--------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPER. | ☐ | PLUG & ABANDONMENT | ☒ |
| PULL OR ALTER CASING | ☐ | | | CASING TEST AND CEMENT JOB | ☐ | | |
| OTHER | ☐ | | | OTHER | ☐ | | |

12. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work)
SEE PL 11-1182.
Well is a TA'd well. CIBP set @4030'. Spot 35 sx on CIBP @3997'. Tag TOC @3997'.
Circ Mud Gel from 3997' to 3925'. Spot cement from 3925' to 3772'. Top of 5" liner @3872'.
Circ Mud Gel from 3772' to 2450'. Spot cement from 2450' to 2494'. Box of Ashly @2608'.
Circ Mud Gel from 2497' to 1700'. Spot cement from 1700' to 1550'. Top of Ashly @1608'. Box of 10-3/4" csg @1647'.
Circ Mud Gel from 1550' to 275'. Tag cement @1550'.
Perf Sqr holes @275'. Could not get my rate. Called NMOED.
Spot cement from 275' to surface.
Cut off wellbore and install dry hole marker.
BDPU. Close Location.

Install dry hole marker 4" below ground level due to its town location. SHL 001, UL - D, 660' FNL, 660' FWL.

Rig Up Date: 08/28/2002
Rig Down Date: 08/30/2002

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Robert O. Hunt TITLE: SR. ENGR. TECH. DATE: 8/30/2002
TYPE OR PRINT NAME: Robert O. Hunt TELEPHONE NO: 805/297-5206
APPROVED BY: Johnny Robinson TITLE: OFFICE MANAGER DATE: DEC 10 2002
CONDITIONS OF APPROVAL: GWW

Production Casing (Original)

7.0", 24.0# Csg. (Assumed 7.875" Hole) @ 3976'
150 sx - TOC @ 3061' Calc. Calc to Surf if 1450 sx
*Remedial Note: One schematic from Altura indicated LNR
7.0" CSG cemented w/ 1450 sx - could not locate any
sundry to verify this but assume the work was done.

Production Linser (Run 3/04/48)

5.0", 18.0# Lnr. (Assumed 5.625" Hole) @ 4221'
50 sx - TOC @ TOL 3872'

1st Recomp (3/48)

D/O to 4221' - Set 5.0" Lnr

Perf'd 4130'-50, 52'-90' and 4200'-20

6 spf - Acidized w/ 2000 gal.

Original Completion

OH 3976'-4199'

2nd Recomp (10/78)

D/O to 4246' - Perf'd 4080'-86, 90'-4104' and 14'-30'

Acidized ALL Intervals in 4 stages w/ 10,500 gals.

SOS Consulting, LLC

Drawn by: Ben Stone, 5/22/2012

PLUGGED WELL SCHEMATIC

B.H. Turner Tract No.1 Well No.30-X

API 30-025-07577

1980' FNL & 560' FWL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 8/17/1949

P&A Date: 5/30/1953

Well plugged by:
Stanolind Oil & Gas Co.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

K.B. 3643'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Spot Cement Plug
160'-0'

300'

Surface Casing

9.625", 32.3# Csg. (12.25" Hole) @ 300'
250 sxs - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

(Form C-150-
Revised 7/1/53)

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS JUN 22 1953

Submit this report in TRIPPLICATE to the District Office, Oil Conservation Commission, within 30 days of the work specified in completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of Test of casing shut-off, results of well repairs, and other important operations, even though the work was witnessed by an independent engineer or other person. Instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

| | | |
|---|---|--------------------------|
| REPORT ON BEGINNING DRILLING OPERATIONS | REPORT ON RESULT OF TEST OF CASING SHUT-OFF | REPORT ON REPAIRING WELL |
| REPORT ON RESULT OF PLUGGING WELL | REPORT ON RECOMPLETION OPERATION | REPORT ON (Other) |

June 16, 1953

Hobbs, New Mexico

Following is a report on the work done and the results obtained under the heading noted above at the

Stanolind Oil and Gas Company

B. H. Turner Tract 1

Lea County, New Mexico

Well No. 30-X

In the

SW

1/4

of Sec. 36

T. 18-S, R. 30-E, N.M.P.M.

Block

Pool

Lea

County

The Dates of this work were as follows: May 29, 1953 and May 30, 1953

Notice of intention to do the work (was) (initials) submitted on Form C-102 on May 1, 1953
and approval of the proposed plan (was) (initials) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spotted 25 sack cement plug in 5 1/2" casing from 3192' to 2982' and from 160' to surface. Interval between plugs filled with heavy drilling mud. Location leveled and returned to original contour and 4" pipe marker erected extending 4' above ground level.

Witnessed by G. D. Harvey

Stanolind Oil and Gas Company

Head Bookabout

Approved: OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Ray J. Hargrave
Oil & Gas Inspector

Name: Ralph Hargrave
Position: Field Superintendent

JUL 9 1953

Representing: Stanolind Oil and Gas Company
Address: Box 68, Hobbs, New Mexico

Displace Hole
w/ Heavy Drilling Mud

Spot 25 sxs
2801'-2438'

Spot Cement Plug
3192'-2982'

3191'

Formation fluids

Open Hole 3191'-3271'

DTD @ 3271'

Production Casing

5.5", 15.5/14.0# J-55 Csg. (7.125" Hole) @ 3191'
800 sxs - Circulated to Surface

SOS Consulting, LLC

Drawn by: Ben Stone, 5/22/2012

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.441

API 30-025-07580

400' FSL & 1190' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 11/20/1941

P&A Date: 6/01/1984

Well plugged by:
Shell Western E&P, Inc.

<PLUGGING ITEMS LISTED LEFT>

P&A Marker

G.R. 3620'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

PLUGS:

Spot Cement Plug
1750'-0'

190'

Surface Casing

9.625", 32.3# Csg. (12.25" Hole) @ 190'
102 sxs - Circulated to Surface

Remedial Work 12/24/77

Spot 25 ex Plug @ 600'

Sqz thru Csg Hole w/ 275 sxs

Circ 20 sxs to Celler D/O to Original

DTD @ 4228'; Run CBL 675' to Surf.

Good Bond - Return to Production

Sqz Holes @ 1750'

Spot 11 sxs
2746'-2646'

Displace Hole
w/ 10# Brine Water

Spot 23 sxs
3573'-3357'

Spot Additional 6 sxs
Tagged @ 3950' (Tagged)

Spot 45 sxs
TD-4150' (Tagged)

4150'

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box To Indicate Nature of Notice, Report or Other Data | | SUBSEQUENT REPORT OF: | |
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1. Description of Notice or Complaint (Clearly state all pertinent details, and give precise dates, including estimated date of starting any proposed work, per Rule 2-102).

5-31-84: Filled hole w/10# brine water. Tagged TD @ 4233'. Spotted first plug w/45 sx Class "C" cmt. WOC 2 hrs. Tagged TOC @ 4150' (bottom of 5-1/2" csg). Spotted an additional 6 sx Class "C" cmt w/ bottom of tubing @ 4133'. TOC @ 3950'. Spotted second plug w/23 sx Class "C" cmt w/ bottom of tubing @ 3573'. TOC @ 3357'. Spotted third plug w/11 sx Class "C" cmt w/ bottom of tubing @ 2746'. TOC @ 2646'. Circulated hole clean.

6-01-84: Perforated @ Top of Salt (1750') w/ a 4-way jet gun. Spotted plug from 1765' to surface. Cut casing off 4' below surface and welded on a dry hole marker. Cleaned and leveled location. Well is now plugged and abandoned.

2. I hereby certify that the information given to you and complete to the best of my knowledge and belief.

[Signature] SUPERVISOR REG. & PERMITTING DATE OCTOBER 25, 1984
[Signature] OIL & GAS INSPECTOR DATE MAY 16, 1985
GOOD-THUMB OF APPROVAL, IF ANY:

Production Casing

5.5", 15.5/14.0# J-55 Csg. (7.125" Hole) @ 4150'
350 sxs El Toro - Circulated to Surface

Open Hole 4150'-4228'

DTD @ 4228'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/22/2012

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.311

API 30-025-12509

1022' FNL & 2310' FEL, SEC. 34-T18S-R38E
LEA COUNTY, NEW MEXICO

Spud Date: 7/18/1935

TA'd Status: 1989

P&A Date: 6/29/2011

Well plugged by:
Occidental Permian, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot Cement &
Fill 400'-0'

Sqz Perfs @ 400'
Circulate w/
120 sxs

Tag Plug @ 1580'

Sqz Perfs @1820'
Sqz w/ 100 sxs
thru PKR @ 1505'
(Flush w/ 10# Mud)

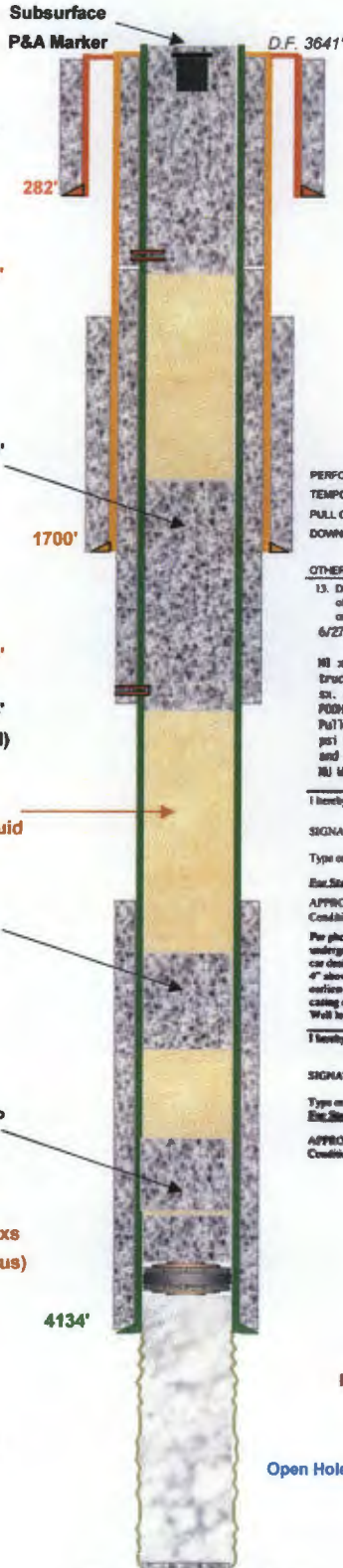
Circulate Hole
w/ Mud Ladened Fluid

Spot 30 sxs
2918'--2783'

Tag Existing CIBP
@ 4060' & Spot
30 sxs

CIBP @ 4083' w/ 2sxs
(Set for 1989 TA Status)

Formation Fluids



DTD @4241' (D/O to 4254')

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# csg. (Assumed 13.75" Hole) @ 282'
50 sx - Calculated to Surface - Not reported

Intermediate Casing

9.625", 36.0# Csg. (Assumed 13.75" Hole) @ 1700'
625 sxs El Toro - TOC 512' Calculated

<P&A SUBSEQUENT SUNDRY>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL. ☐
DOWN-HOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPS. ☐ P&A ☒
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/27/11 - 6/29/11:

NO x NO plugging unit. NO MH x NO BOP. RIN with perf sub on 128 jts. production tubing. NO pump truck x circulate well with 75 bbls 10 ppg mud-laden fluid. Tag existing CIBP at 4060'. Spot 30 sx. cement on tag x flush with 22 bbls 10 ppg mud. Pull uphole x spot 30 sx. cement at 2918'. PUGH with tubing x RIN with 7" NO-1 packer x set at 1505'. RIN with wireline x tag at 2685'. Pull uphole x perforate at 1820'. Establish injection rate into perfs - 2 bbls per minute @ 1400 psi with full returns. Mix and pump 100 sx. CI. C x flush with 13 bbls 10 ppg mud. Release packer and reset at 30'. RIN with wireline x tag plug at 1580'. Pull uphole x perforate at 400'. NO BOP x NO MH. Circulate 120 sx. cement from 408' to surface. NO plugging unit x clean location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mark Stephen TITLE Regulatory Compliance Analyst DATE 7/12/11
Type or print name: Mark Stephen E-mail address: Mark.Stephens@ocp.com PHONE: (213) 266-5150

For State Use Only: Mark Stephen TITLE Compliance Officer DATE 7/25/2011
Conditions of Approval (If any):

Per phone conversation with Mr. E. L. Gonzalez on Thursday 8/24/2011, this report is being sent to confirm plans to place an underground P and A marker at this well site. Due to the location being within the city limits of Hobbs, NM and the close proximity to a car dealership it was decided that the underground marker would be a better alternative to permanently mark this well here approved to the 4" above ground marker. Mr. Gonzalez gave verbal permission for the underground marker and requested that C-103 form be sent to the surface convenience. All required information per 12.13.16.5 NMAC will be void within one a month plus and plus will be voided to casing of the well at a depth of approximately 12' by 08/16/2011. The CPS readings for this well have are MCL 70826', W/103.13315'. Well location is on the southwest corner of the intersection of North Doherty and East Scharbauer in Hobbs, NM.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Steven M. Bishop TITLE HEB Specialist DATE 9/12/2011
Type or print name: Steven M. Bishop E-mail address: Steven.Bishop@ocp.com PHONE: (575) 397-5241

For State Use Only: Steven M. Bishop TITLE SPRINT MGR DATE 9-12-2011
Conditions of Approval (If any):

Production Casing (Original)

7.0", 23.0# Csg. (Assumed 8.75" Hole) @ 4134'
250 sxs - TOC @ 2609' Calculated

Remedial Work 11/08/82

D/O to 4254' - Acidize

Open Hole 4134'-4254'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/23/2012

PLUGGED WELL SCHEMATIC

North Hobbs (GSA) Unit Well No.321

API 30-025-12510

2310' FNL & 2310' FEL, SEC. 34-T18S-R38E

LEA COUNTY, NEW MEXICO

Spud Date: 3/15/1935

P&A Date: 10/30/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot Cement &
Fill 174'-0'

Spot 25 sxs
326'-174'

Tag Plug @ 1580'

Sqz Perfs @1800'
Sqz w/ 35 sxs
thru CICR @ 1700'

Spot 25 sxs
2700'-2543'

Circulate Hole
w/ 9.5# Mud

Spot 25 sxs
4000'-3848'

Set P&A CIBP @ 4000'

Formation Fluids

P&A Marker

D.F. 3635'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

12.5", 50# csg. (Assumed 13.75" Hole) @ 276'
150 sxs El Toro - Circulated to Surface

Intermediate Casing

8.625", 38.0# Csg. (Assumed 13.75" Hole) @ 1677'
250 sxs El Toro - Circulated to Surface

<P&A SUBSEQUENT SUNDRY>

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
|---|--------------------------|----------------------------|--------------------------|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | COMMENCE DRILLING OPNS | ☐ |
| | | CASING TEST AND CEMENT JOB | ☐ |
| | | ALTERING CASING | ☐ |
| | | PLUG AND ABANDONMENT | ☐ |

12. Drilling Personnel or Completion Operations. Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. SEE RULE 1108

- 1) 10/27/97 HIRING PULLING UNIT
- 2) 10/28/97 L/O REEL CABLE.
- 3) 10/28/97 SET CIBP 4000' CIRC 9.5# MUD.
- 4) 10/29/97 CIBP 4000' 25 SXS. (PLUG #1 4000'-3848')
- 5) 10/29/97 25 SXS. (PLUG #2 2700'-2543')
- 6) 10/29/97 PERF 1800' SET CIBP 1700'.
- 7) 10/29/97 RIG PUL 6-5/8" 2-1/4" BILLS MIN 1400 PSI.
- 8) 10/30/97 1700' SQZ 35 SXS UNDER CIBP.
- 9) 10/30/97 1700' 25 SXS. (PLUG #3 1700'-1548')
- 10) 10/30/97 325' 25 SXS. (PLUG #4 325'-174')
- 11) 10/30/97 174' TO SURFACE.
- 12) 10/30/97 INSTALL DRY HOLE MARKER.

I hereby certify that the information shown on this well completion is the best of my knowledge and belief.

WELLMASTER George A. Dutton TITLE P&A SUPERVISOR DATE 10/30/97

TYPE OF REPORT WELL A. OUTLINE TELEPHONE NO. 505-287-0800

1 This report is to be filed with the state.

PREPARED BY ELB DATE 11-9-97

GW

Production Casing (Original)

6.625", 24.0# Csg. (Assumed 8.75" Hole) @ 4065'
250 sxs El Toro - TOC @ 3020' by CBL

Open Hole 4065'-4206'

PBTD @4206'

DTD @4220'

SOS Consulting, LLC

Drawn by: Ben Stone, 5/23/2012

PLUGGED WELL SCHEMATIC **North Hobbs (GSA) Well No.342**

API 30-025-28199

SHL: 305' FSL & 1650' FEL, SEC. 34-T18S-R38E
 BHL: 450' FSL & 1540' FWL, SEC. 34-T18S-R38E
 LEA COUNTY, NEW MEXICO

Spud Date: 12/27/1983
 P&A Date: 10/22/1997

Well plugged by:
Altura Energy, LTD

<PLUGGING ITEMS LISTED LEFT>

PLUGS: 30'-0'
 Spot 25 sxs

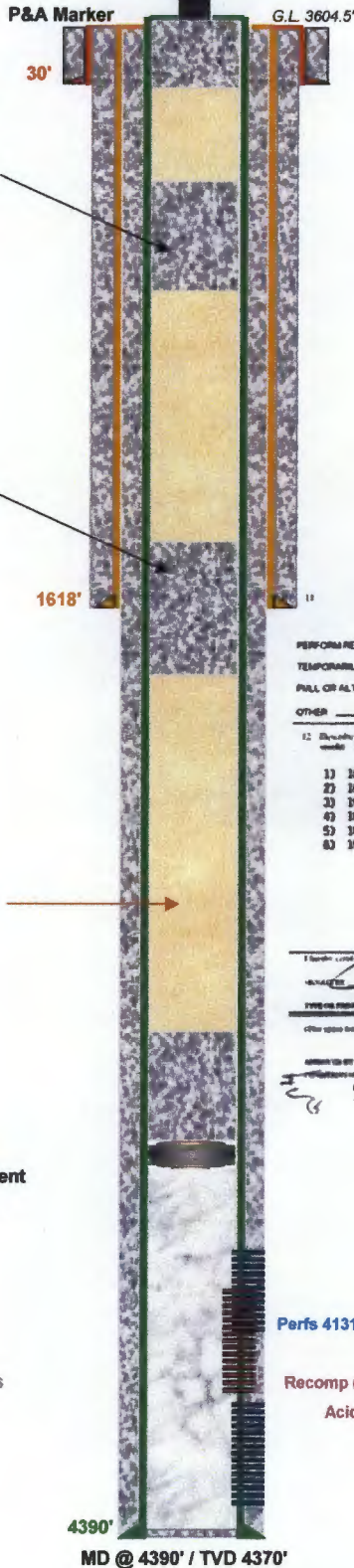
350'-109'
 Spot 25 sxs

1700'-1459'
 Spot 25 sxs

Circulate Hole
 w/ 9.5# Mud

CIBP @ 4050'
 Cap w/ 25 sxs cement
 (Top @ ~3809')

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing
 16.0" csg. (20.0" Hole) @ 30'
 Redi-Mix - Cement to Surface

Intermediate Casing
 8.625", 24# H-40 csg. (12.25" Hole) @ 1618'
 750 sxs Class 'C' - Neat / Lite
 (Last 200 sxs down annulus - Circulated 5 sxs)

<P&A SUBSEQUENT SUNDRY>

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|-------------------------|--------------------------|----------------------------|-------------------------------------|
| PERFORM REMEDIAL WORK | ☐ | PLUS AND ABANDON | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ |
| PULL OR ALTER CASING | ☐ | OTHER | ☐ |
| | | REMEDIAL WORK | ☐ |
| | | ALTERING CASING | ☐ |
| | | COMMENCE DRILLING OPS. | ☐ |
| | | PLUS AND ABANDONMENT | ☒ |
| | | CASING TEST AND CEMENT JOB | ☐ |
| | | OTHER | ☐ |

12. Remarks: Prepared as Complete. 14 days in advance of work. SEE SCALE 1:100

- 1) 10/21/97 SET CIBP @ 4050'. SPOT 25 SXS ON TOP. (PLUS #1 4050'-3809')
- 2) 10/22/97 CIRC HOLE W/ 9.5# MUD.
- 3) 10/22/97 SPOT 25 SXS @ 1700'. (PLUS #2 1700'-1459')
- 4) 10/22/97 SPOT 25 SXS @ 350'. (PLUS #3 350'-109')
- 5) 10/22/97 SPOT 25 SXS @ 30'. (PLUS #4 30'-SURF)
- 6) 10/22/97 INSTALL DRY HOLE MARKER.

I hereby certify that the information herein is true and complete to the best of my knowledge and belief.

DATE: 10/24/97
 TITLE: P&A SUPERVISOR
 NAME: JOSE A. GUTIERREZ

Other signs for this well

DATE: 11-9-00
 TITLE: F&L Rep
 NAME: [Signature]

Production Casing
 5.5" 14.0#, J-55 csg. (7.875" Hole) @ 4390'
 825 sxs Class 'C' + Lite
 (2 Stage - DV @ 3001')

Perfs 4131'-4225' and 4264'-4373'

Recomp (1/03/86) - Add Perfs 4188'-4253'
 Acidize - Return to Production

SOS Consulting, LLC

Drawn by: Ben Stone, 5/23/2012