

District I
1625 N French Dr , Hobbs, NM 88240

District II
1301 W Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Minerals and Natural Resources

Form C-101
June 16, 2001

RECEIVED

MAR 26 2009

HOBBSOCD

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,
PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address CHEVRON U S A INC 15 SMITH ROAD MIDLAND, TEXAS 79705		² OGRID-Number 4323
		³ API Number 30 - 025-05959
³ Property Code 29954	⁵ Property Name J R PHILLIPS	⁶ Well No 6
⁹ Proposed Pool 1 MONUMENT, TUBB, WEST (GAS)		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no E	Section 6	Township 20-S	Range 37-E	Lot Idn 5	Feet from the 1897	North/South line NORTH	Feet from the 660	East/West line WEST	County LEA
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3562' GL
¹⁶ Multiple NO	¹⁷ Proposed Depth 7532'	¹⁸ Formation TUBB	¹⁹ Contractor	²⁰ Spud Date

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

CHEVRON U S A INC INTENDS TO RECOMPLETE THE SUBJECT WELL FROM THE ABO POOL TO THE TUBB (GAS) RESERVOIR
THE INTENDED PROCEDURE AND CURRENT AND PROPOSED WELLBORE DIAGRAM ARE ATTACHED.

ADMINISTRATIVE ORDER SD-200902 IS ATTACHED

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Plugback**

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature

Printed name
DENISE PINKERTON

Title
REGULATORY SPECIALIST

E-mail Address
leakejd@chevron.com

Date.
03-24-2009

Phone
432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title

PETROLEUM ENGINEER

Approval Date

APR 09 2009

Expiration Date.

Conditions of Approval Attached ☐

District I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised March 17, 1999

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

RECEIVED
RESERVATION DIVISION

MAR 26 2009

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

HOBBSOCD

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-05959		⁴ Pool Code 96968		³ Pool Name Monument; Tubb, West (Gas)	
⁴ Property Code 29954		⁵ Property Name J.R. Phillips			⁶ Well Number 6
⁷ OGRID No. 4323		⁸ Operator Name Chevron U.S.A., Inc.			⁹ Elevation 3576'

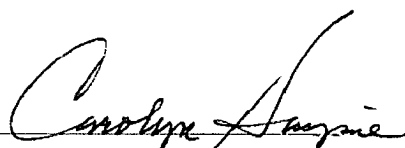
¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	6	20S	37E		1897'	North	660'	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No SD-200902			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> <p>1897'</p> <p>660'</p> <p>J.R. Phillips #6</p> <p>160-acre proration unit</p>	<p>1</p> <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p></p> <p>Signature C. J. Haynie</p> <p>Printed Name Petr. Engineering Technical Assistant</p> <p>Title February 3, 2009</p>			
	<p>1</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Signature and Seal of Professional Surveyor</p>			
	<p>Certificate Number</p>			

J.R. Phillips #6
Monument; Tubb, West (Gas)
Section 6, T20S, R37E, Unit E
Lea County, NM
30-025-05959

11/12/2008

PB to Tubb

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 11/12/2008. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well, regarding any hazards or unknown issues pertaining to the well.*
2. Displace flowline w/ fresh water. Have Field Specialist close valve at header. Pressure test line according to type. All polypipe (SDR7 and SDR11) will be tested to 100 psi. All steel lines will be tested to 500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If tests good, bleed off pressure and open valve at header. Document this process in the morning report.
3. MI & RU workover unit. Pull rods and pump and LD. Remove wellhead. Install BOP's and test as required. Release TAC and POH w/ 2-3/8" tubing string. Scan tubing with Tuboscope scanner. LD all jts but yellow band.
4. MI & RU Gray WL electric line unit. Install lubricator and test to 1000 psi. PU and RIH w/ 5-1/2" cast iron bridge plug to 6825'. Set CIBP at 6825'. Pressure test casing and CIBP to 500 psi. POH.
5. GIH with 3-3/8" RHSC Gunslinger casing guns (0.42" EH & 47" penetration) and perforate the following intervals with 2 JSPF at 120 degree phasing using 25 gram premium charges:

Top	Bottom	Net Ft	No. Perfs
6329	6336	7	28
6392	6402	10	40
6408	6416	8	32
6422	6427	5	20

6. POH. GIH and dump bail 35' of cement on top of CIBP at 6825'. POH. RD and Release WL.
Note: Use Dresser Atlas Compensated Neutron Gamma Ray Log dated 3/4/1977 for depth correction.
7. PU and RIH w/ 5-1/2" treating packer on 2-3/8" tubing to 6250'.
8. MI & RU DS Services. Spot 5 bbl 15% acid over Tubb perfs. Set pkr @ 6250'. Load backside to 350 psi. Acidize Tubb perfs with 3,000 gal 15% NEFE HCl acid* at a maximum rate **5 BPM** and a maximum surface pressure of **4000 psi**. Drop a total of 200, 1.3 SG ball sealers. Drop slugs of around 25 balls per 300 gallons.

Displace acid with 8.6 PPG cut brine water -- do not over displace. Record ISIP, 5 & 10 minute SIP's. RD and release DS services.

* Acid system to contain:

1 GPT A264
8 GPT L63
2 PPT A179
20 GPT U66

Corrosion Inhibitor
Iron Control Agents
Iron Control Aid
Mutual Solvent

9. Leave SI for 3 hours. RU swab and recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered volumes, pressures, and/or swabbing fluid levels. **Note: notify engineering of swab results before proceeding**
10. Open well. Release packer. TOH w/ packer and WS. LD packer.
11. PU and GIH w/ 5-1/2" Arrow-Set 10k pkr & On-Off tool w/ 2.25" "F" profile and 3-1/2" EUE 8R L-80 work string, testing to 8,000 psi. Set pkr at 6230'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during frac job to aid in observing communication.
12. MIRU frac crew. Frac Tubb perfs down 3-1/2" tubing at **40 BPM** w/ 58,000 gals of 50 Quality WF150 Foam, and 103,000 lbs. 20/40 mesh Jordan. PropNet will be pumped with the last 25,000 lbs 20/40. Max treating pressure **8,000 psi. Ensure extra PropNet is brought to location to use if needed!** Pump job as follows:
- Pump 7,000 gal 50 Quality WF150 pad
 - Pump 1,000 gal 50 Quality WF150 pad containing .5 PPG 20/40 mesh Jordan
 - Pump 5,000 gal 50 Quality WF150 pad
 - Pump 1,500 gal 50 Quality WF150 pad containing 1 PPG 20/40 mesh Jordan
 - Pump 5,000 gal 50 Quality WF150 pad
 - Pump 1,500 gal 50 Quality WF150 pad containing 1.5 PPG 20/40 mesh Jordan
 - Pump 7,000 gal 50 Quality WF150 pad
-
- Pump 4,000 gal 50 Quality WF150 containing 1 PPG 20/40 mesh Jordan
 - Pump 5,500 gal 50 Quality WF150 containing 2 PPG 20/40 mesh Jordan
 - Pump 6,000 gal 50 Quality WF150 containing 3 PPG 20/40 mesh Jordan
 - Pump 7,000 gal 50 Quality WF150 containing 4 PPG 20/40 mesh Jordan
 - Pump 3,500 gal 50 Quality WF150 containing 5 PPG 20/40 mesh Jordan
 - Pump 4,000 gal 50 Quality WF150 containing 5 PPG 20/40 mesh Jordan w/ Prop Net
- Flush to 6288' with 2335 gal WF150 . **Do not overflush.** SI well and record ISIP, 5, 10, and 15 minute SIP.
13. RD and release SLB. Leave well shut-in for 2 hours. Open well. Do not flow well wide open. Flow or bleed pressure from well recording hourly choke sizes, rates, pressures, fluid volumes. After well stabilizes, RIH w/ slick line and tag fill. **Notify engineering of depth and flowback results before proceeding.**
14. Kill well using 10 PPG brine. Release pkr. POH and stand back 3 1/2" work string. LD on-off tool and pkr.
15. PU and RIH w/ 4-3/4" MT bit on 2-3/8 tubing to PBTD of 6790'. Circulate well clean. POH and LD bit and any workstring.
16. RIH w/ 2-3/8" production tubing and hang off per ALS recommendation. NDBOP. NUWH. RIH w/ rods and pump per ALS.
17. RD Key PU & RU. Turn well over to production. Install HF stuffing box and POC. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

Engineer – Richard Jenkins

Cell: 432-631-3281

Email: rjdg@chevron.com

Well: **J.R. Phillips #6**

Reservoir: **Monument; Abo**

Location:
1897' F&L & 660' FWL
Unit Letter: E
Section: 6
Township: 20S
Range: 37E
County: Lea, NM

Elevations:
GL: 3562'
DF: -
KB: 14'

Current
Wellbore Diagram

Well ID Info:
Refno: FB4676
API No: 30-025-05959
LS/L6: UCU937500
Spud Date: 8/1/1949
Compl. Date: -

Surf Csg: 13-3/8" 48#, H-40
Set: @ 322' w/ 325 sks
Hole Size: 17-1/2"
Circ: Yes
TOC By: Circulation
TOC: Surface

Interm Csg: 8-5/8" 28#, H-40
Set: @ 2792' w/ 2300 sks
Hole Size: 11"
Circ: Yes
TOC By: Circulation
TOC: Surface

Perfs	Status
5180-5220	Paddock - Cement Sqz'd
5205-5225	Paddock - Cement Sqz'd

Perfs	Status
6865-70'	Abo - Open
6875-80'	Abo - Open
6887-90'	Abo - Open
6902-04'	Abo - Open
6914-23'	Abo - Open
6934-38'	Abo - Open
6950-53'	Abo - Open
6969-71'	Abo - Open
6978-80'	Abo - Open
6987-91'	Abo - Open
7015, 17, 19, 21, 24, 27, 32, 37, 41, 46	Abo - Open (2jspf)

7108, 26, 60, 68, 7208, 74, 7300, 14, 26	Abo - Below CIBP (1jspf)
7371, 77, 7420, 56, 69, 74, 79, 96, 7531, 40, 54, 80, 97, 7620, 39, 46, 59, 66, 80, 86, 7703, 10	Abo - Below CIBP (2jspf)
7148, 7236, 7337, 58, 84, 7410, 38, 7516	Abo - Below CIBP (2jspf)
7480-7620	Abo - Cement Sqz'd

Surf Csg: 5-1/2" 15.5 & 17#, J-55
Set: @ 7759'
Hole Size: 7-7/8"
Circ: No
TOC By: Temperature Survey
TOC: 550'

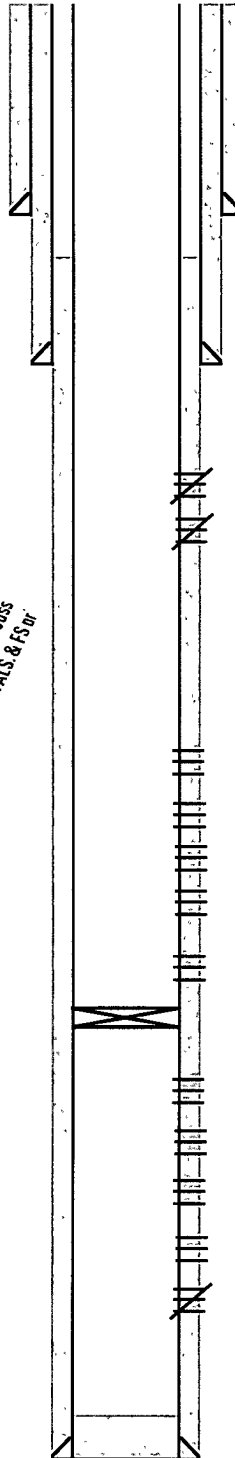
COTD: 7100'
PBTD: 7100'
TD: 7532'
Updated: 11/11/2008

By: rjdg

This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Eunice Field Office. Discuss w/ WFO Engineer. WD Rep. OS, ALS & FS or Luv.

CIBP @ 7100'

TOC @ 550'



Well: **J.R. Phillips #6**

Reservoir: **Monument; Tubb, Wes**

96968

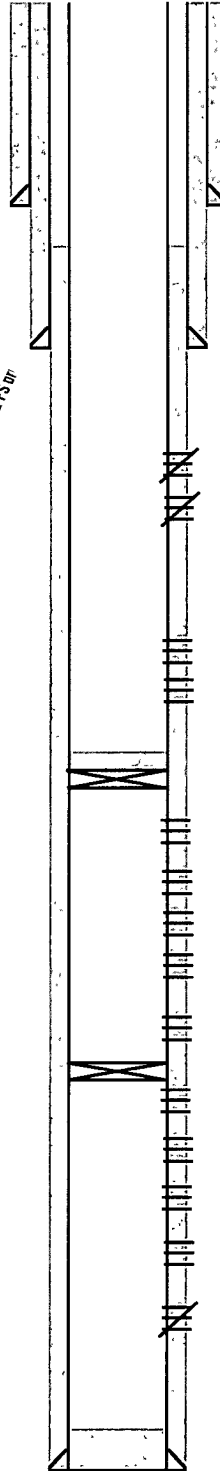
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1897' FSL & 660' FWL
Unit Letter: E
Section: 6
Township: 20S
Range: 37E
County: Lea, NM

Elevations:

GL: 3562'
DF: -
KB: 14'

**Proposed
Wellbore Diagram**



This wellbore diagram is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of the update date below. Verify what is in the hole with the well file in the Emprise Field Office. Discuss w/ WESP Engineer. WOP Rep. OS, ALS & FS or LNU.

Well ID Info:

Refno: FB4676
API No: 30-025-05959
L5/L6: UCU937500
Spud Date: 8/1/1949
Compl. Date: -

Surf Csg: 13-3/8" 48#, H-40
Set: @ 322' w/ 325 sks
Hole Size: 17-1/2"
Circ: Yes
TOC By: Circulation
TOC: Surface

Interm Csg: 8-5/8" 28#, H-40
Set: @ 2792' w/ 2300 sks
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Perfs	Status
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5205-5225	Paddock - Cement Sqz'd

Perfs	Status
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6392-6402'	Tubb - Open
6408-16'	Tubb - Open
6422-27'	Tubb - Open

Perfs	Status
6865-70'	Abo - Isolated Below CIBP
6875-80'	Abo - Isolated Below CIBP
6887-90'	Abo - Isolated Below CIBP
6902-04'	Abo - Isolated Below CIBP
6914-23'	Abo - Isolated Below CIBP
6934-38'	Abo - Isolated Below CIBP
6950-53'	Abo - Isolated Below CIBP
6969-71'	Abo - Isolated Below CIBP
6978-80'	Abo - Isolated Below CIBP
6987-91'	Abo - Isolated Below CIBP
7015, 17, 19, 21, 24, 27, 32, 37, 41, 46 (2)spf	Abo - Isolated Below CIBP

Perfs	Status
7108, 26, 60, 68, 7208, 74, 7300, 14, 26 (1)spf	Abo - Isolated Below CIBP
7371, 77, 7420, 56, 69, 74, 79, 96, 7531, 40, 54, 80, 97, 7620, 39, 46, 59, 66, 80, 86, 7703, 10 (2)spf	Abo - Isolated Below CIBP
7148, 7236, 7337, 58, 84, 7410, 38, 7516 (2)spf	Abo - Isolated Below CIBP
7480-7620	Abo - Cement Sqz'd

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