Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd , Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St Francis Dr , Santa Fe, NM 87505

HOBBS OCD
FEB 17 2012
RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-25002	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
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 H.T. MATTERN "D"
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 11
2. Name of Operator CHEVRON U.S.A. INC.	9. OGRID Number 4323
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	10. Pool name or Wildcat BLINEBRY/TUBB/DRINKARD
4. Well Location Unit Letter F: 1980 feet from the NORTH line and 1650 feet from the WEST line Section 6 Township 22-S Range 37-E NMPM County LEA	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

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. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: INTENT TO CLEAN OUT, SONIC HAMMER, SC SQZ		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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON U.S.A. INC. INTENDS TO CLEAN OUT, SONIC HAMMER, ACIDIZE, & SCALE SQUEEZE THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, & C-144 INFO.

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 Denise Pinkerton TITLE: REGULATORY SPECIALIST DATE: 02-16-2012

Type or print name: DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

APPROVED BY: TITLE DATE 2-20-2012
Conditions of Approval (if any):

FEB 20 2012

H.T. Mattern D #11 **1.30.2012**
Tubb O&G
T22S, R37E, Section 6
Job: Air Foam Clean out, Sonic Hammer, Acidize & Scale Squeeze

Procedure:

1. Review Rig move checklist. Check location, anchors and pad location.

- **Caliper elevators and tubular EACH DAY prior to handling tubing/tools. Note in JSA when and what items are callipered within the task step that includes that work.**

2. MI & RU workover unit.

3. Verify that well does not have pressure or flow. If well has pressure, notify Remedial Engineer, note casing pressure on wellview report. Bleed down well; if necessary, kill with cut brine fluid (8.6 ppg).

4. Request chart from vendor to verify BOP has been tested prior to arrive on location. ND wellhead, NU Dual Hydraulic BOP and 7-1/16" x 5M Annular BOP on top.

5. Test BOP blind rams against the top RBP to 250 psi/500 psi. Note testing pressures on wellview report.

6. PU and RIH with retrieving tool on 2-7/8" L-80 WS, wash sand off 1st RBP at 1,000'. Latch on RBP. Test BOP pipe rams and Annular BOP against the top RBP to 250 psi/500 psi. Release RBP. POOH and LD 1st RBP.

7. RIH with same retrieving tool and wash sand off 2nd RBP at 5335'. Load casing with 8.6 ppg brine fluid. Latch on and release RBP. POOH and LD 2nd RBP.

8. Continue to **FOAM / AIR CLEANOUT PROCEDURE** on back.

9. ND Annular BOP to lower rig floor height.
   Note: Well/Job conditions will dictate the need of an Annular BOP. Discuss with Remedial Engineer.

10. Contact sonic tool rep to be on site during job. PU and RIH with Sonic Hammer tool and work string to 6,650' or enough to cover the bottom perforations with a whole stand. Hydrotest tubing to 6,000 psi. Stand back tubing to top perforations. Install stripper head and stand pipe with sufficient treating line to move tools vertically ~ 65'. Rig up pressure gauges to allow monitoring of tubing and casing pressures.

11. MI & RU Petroplex. Treat all intervals from 5,465' to 6,643' with 50 bbls of 8.6 ppg cut brine water per interval (refer to Table A). Pump down Sonic Hammer tool at 5 BPM while reciprocating tool across intervals. Do not exceed 5,000 psi tubing pressure. Leave annulus open in circulation mode while treating intervals with brine water.

12. Follow the brine water wash with 6,000 gals 15% NEFE HCl of total acid for all intervals.
    Spot 3 bbls of acid outside tubing, shut in casing, pump 600 gallons of acid @ 5 BPM over first treating interval from 5,465' – 5,523', monitor casing pressure not exceeding 500 psi.
    Flush tubing with brine water after every acidized interval, make a connection and continue with remaining intervals. Refer to Table A.

Interval	Depth	Volume
1	5,465' – 5,523'	800 Gal
2	5,540' – 5,587'	550 Gal
3	5,639' – 5,687'	550 Gal
4	6,187' – 6,233'	1,000 Gal
5	6,273' – 6,338'	1,500 Gal
6	6,506' – 6,563'	800 Gal
7	6,594' – 6,643'	800 Gal

Table A: Acid Intervals

Shut in for 1 hrs for the acid to spend. Bleed excess pressure off at surface if necessary to keep casing pressure below 500 psi.

13. Pump down 2-7/8" tbg and through Sonic Hammer tool at 5 BPM from 6,643'-5,465' in 7 treatment intervals with a total of 201 bbls 8.6 ppg cut brine water containing 3 drums (165 gallons) Baker SCW-358 Scale Inhibitor. Ensure top of tbg is flushed with water before making a connection. Refer to Table B.

Interval	Depth	Volume
1	6,643' - 6,594'	25 bbl
2	6,563' - 6,506'	25 bbl
3	6,338' - 6,273'	50 bbl
4	6,233' - 6,187'	35 bbl
5	5,687' - 5,639'	18 bbl
6	5,587' - 5,540'	18 bbl
7	5,523' - 5,465'	30 bbl

Table B: Scale Inhibitor Intervals

PU to top of perfs. Pump 50 bbls 8.6 PPG cut brine water to scale squeeze well. Do not exceed 500 psi casing pressure or 5 BPM while pumping scale squeeze or casing flush. RD and release pump truck. Release Petroplex.

14. RIH with 2-7/8" yellow-band production tubing hydrotesting to 6,000 psi.

15. ND BOP. Set TAC per ALCR recommendation. NU WH.

16. RIH with rods and pump per ALCR recommendation. Hang well on and pressure test the tubing and function test the pump. RD and release workover unit.

17. Turn well over to production and notify Operations (contacts on back).

FOAM / AIR CLEANOUT PROCEDURE

- This procedure is an addition to the original procedure.

1. Install flowback manifold with two chokes. All components on flowback manifold must be rated to at least 5,000 psi. If possible, flowback manifold components should be hydrotested before delivery. Hardline pipes from 2" casing valve to manifold to half pit with gas buster.
2. Install flowback tank downwind from rig.
3. Position Air unit upwind from Rig next to water tanks. Have vacuum truck on standby to empty halfpit. (if needed)
4. RIH with 4-3/4' MT bit, bit sub (bore for float with dart-type float), 4 (3-1/2") drill collars on 2-7/8" 6.5# L-80 WS.
5. NU stripper head with **NO Outlets** (Check stripper cap for thread type - course threads preferred). **Stripper head to be stump tested to 1,000 psi before being delivered to rig**. Check chart or test at rig.
6. RU foam air unit. Make quality foam on surface before going down hole with foam/air. Install flapper float at surface before beginning to pump. Break circulation with foam/air. Evacuate fluid from well.

Pump high quality foam at all times. Do not pump dry air at any time. Fluid injection rates will generally be above 12 gallons per minute

Whenever there is pressure on the stripper head, have a dedicated person continuously monitor pressure at choke manifold and have a dedicated person at accumulator ready to close annular BOP in case stripper leaks. Do not allow pressure on stripper head to exceed 500 psi. If pressure cannot be controlled below 500 psi, stop pumping, close BOP and bleed off pressure.

7. Clean out fill to 6700' maintain circulation at optimum rate, allowing fill to clear bit before continuing to clean downhole, always keep pipe moving. Short trips can be beneficial to hole cleaning. Circulate well clean for at least 1 hour at the end of the day and pull up above the perforations before shut down for night. If the foam/air unit goes down, pull above the perforations.

- **Note: Previous work had tight spot at about 5,541'. There is possible $CaSO_3$ scale. It is recommended to read past Wellview and Lowis daily reports before starting clean out. Both daily reports will be attached to WBS package.**

8. When tripping out of hole, have special float bleed off tool available to relieve trapped pressure below float.

Ensure that high quality, stiff foam is pumped while circulating the fill. Stiff foam is required to prevent segregation while circulating. Monitor flow and pressures carefully when cleaning out.

Before rigging up power swivel to rotate, carefully inspect Kelly hose to ensure that it is in good condition. Ensure that swivel packing is in good condition.

Continue to step 9.

Well **H T Mattern D #11**

Reservoir: **Brinebry/Tubb/Drinkard**

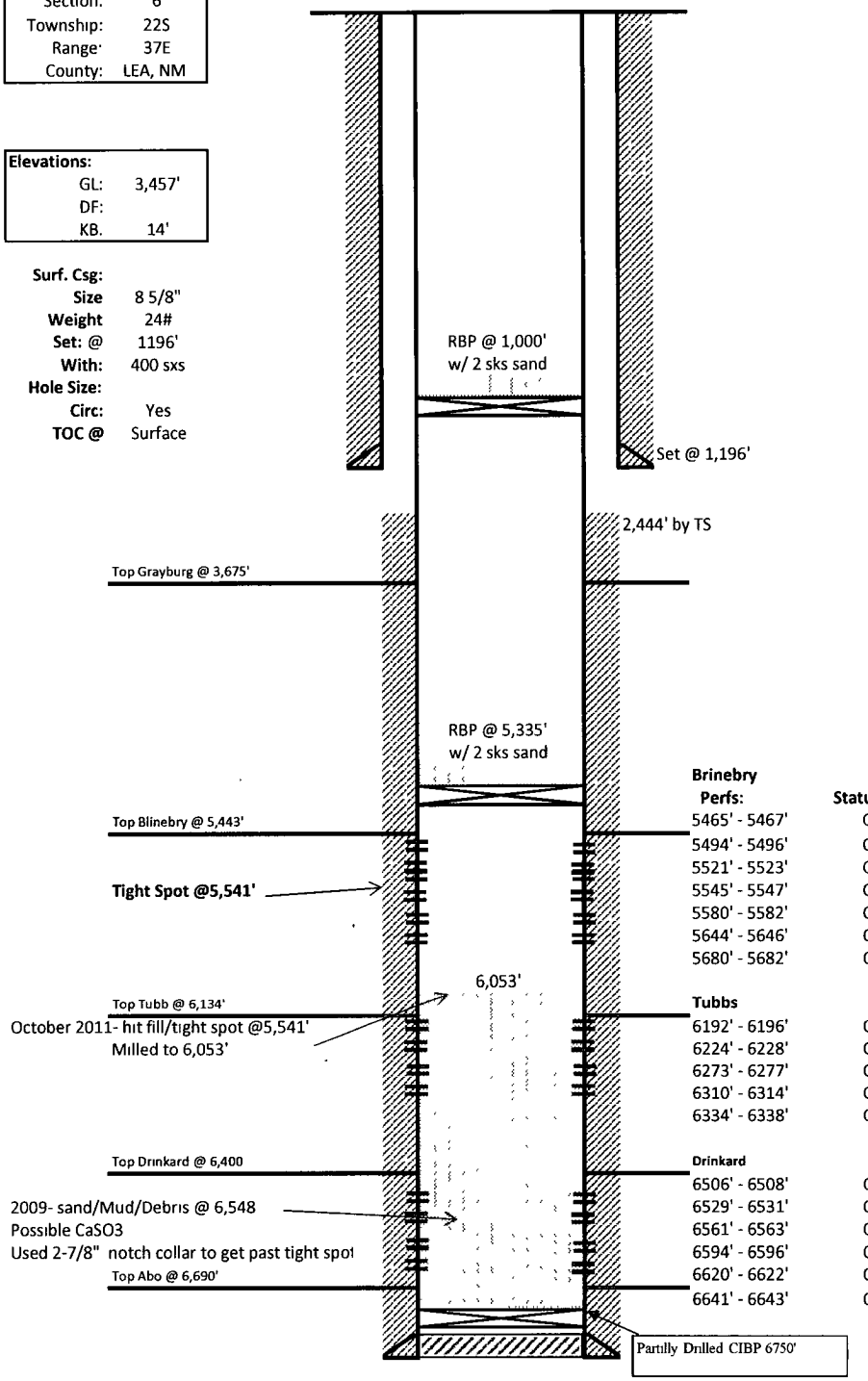
Location:
1980'-FNL & 1650'-FWL
Section. 6
Township: 22S
Range· 37E
County: LEA, NM

Elevations:
GL: 3,457'
DF:
KB. 14'

Surf. Csg:
Size 8 5/8"
Weight 24#
Set: @ 1196'
With: 400 sxs
Hole Size:
Circ: Yes
TOC @ Surface

Current
Wellbore Diagram

Well ID Info:
Refno· EO4404
API No: 3002525002
L5/L6. UCU474000
Spud Date. 5/15/1975
Compl Date 6/8/1975



Brinebry Perfs:	Status
5465' - 5467'	Open
5494' - 5496'	Open
5521' - 5523'	Open
5545' - 5547'	Open
5580' - 5582'	Open
5644' - 5646'	Open
5680' - 5682'	Open
Tubbs	
6192' - 6196'	Open
6224' - 6228'	Open
6273' - 6277'	Open
6310' - 6314'	Open
6334' - 6338'	Open
Drinkard	
6506' - 6508'	Open
6529' - 6531'	Open
6561' - 6563'	Open
6594' - 6596'	Open
6620' - 6622'	Open
6641' - 6643'	Open

Prod. Csg:
Size 5 1/2
Weight 15.5#
Set @ 6,794 '
With: 600 sxs
Hole Size:
Circ: No
TOC @ 2444' by TS

Updated: DNCU
By: 1/13/2012

PBTD: 6752'
TD: 6800'

Well: **H T Mattern D #11**

Reservoir. **Brinebry/Tubb/Drinkard**

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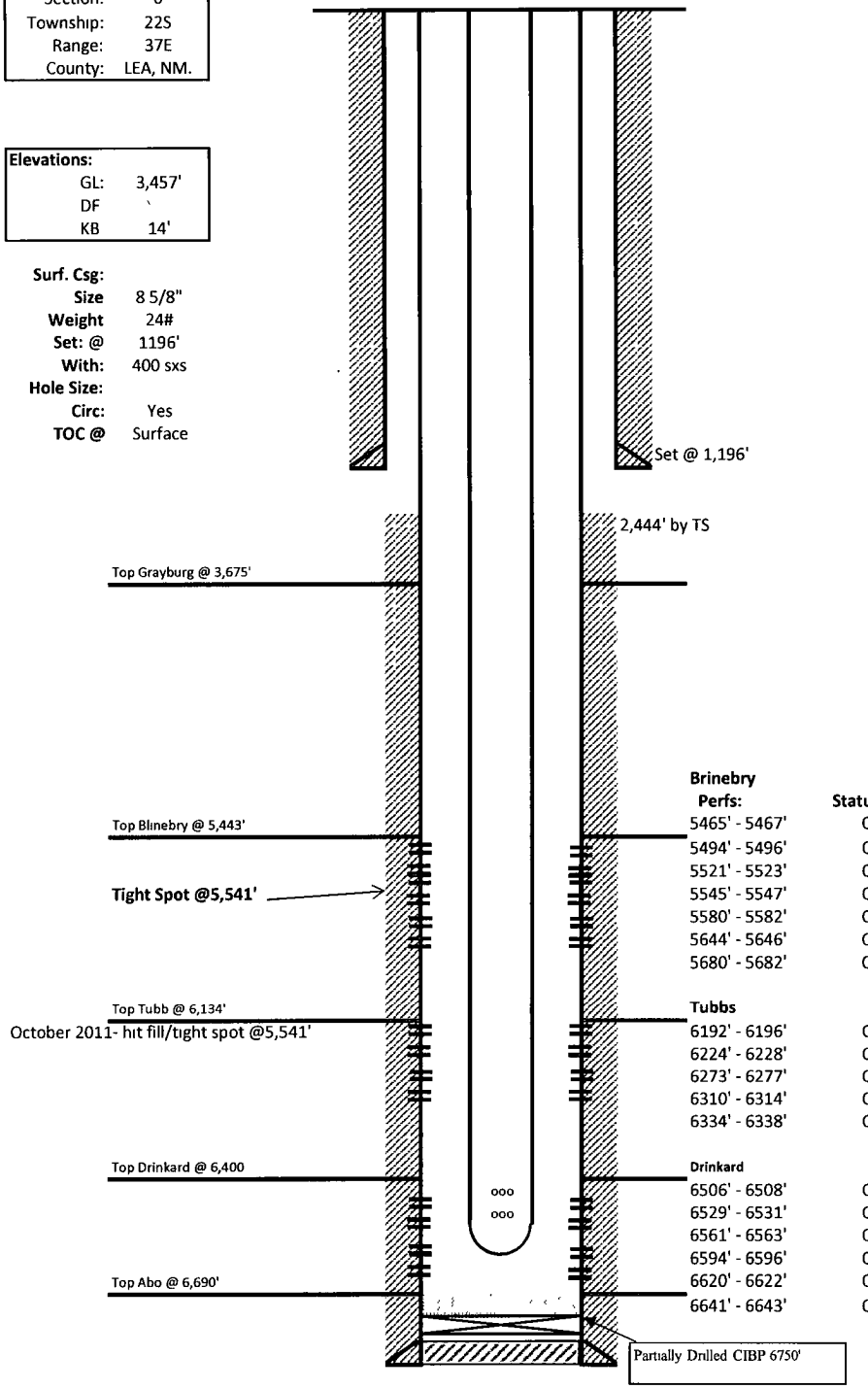
Size 8 5/8"
Weight 24#
Set: @ 1196'
With: 400 sxs
Hole Size:
Circ: Yes
TOC @ Surface

Proposed
Wellbore Diagram



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