

Submit 4 Copies To Appropriate District Office
District I
1625 N. French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

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

WELL API NO. 30-025-12172
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SCARBOROUGH ESTATE
8. Well Number 4
9. OGRID Number 4323
10. Pool name or Wildcat BRUNSON;DRINKARD-ABO,SOUTH

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. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator CHEVRON U.S.A. INC.	
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705	
4. Well Location Unit Letter F: 1980 feet from the NORTH line and 1980 feet from the WEST line Section 31 Township 22-S Range 38-E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3524' GL	

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: ADD PERFS, ACIDIZE, & FRAC

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.

CHEVRON U.S.A. INC. INTENDS TO ADD PERFS IN THE SUBJECT WELL & ACIDIZE & FRAC.
THE INTENDED PROCEDURE AND CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ATTACHED FOR YOUR APPROVAL.

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 08-27-2008

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER

DATE

Conditions of Approval (if any):

RECEIVED
AUG 28 2008
HOBBS OCD

SEP 02 2008

Scarborough Estate #4
Brunson South
T22S, R38E, Section 31
Job: PB to Drinkard Perf, Acidize, & Frac

Procedure:

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 7/15/2008. 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 with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. Buried fiberglass lines will be tested with 300 psi. All polypipe (SDR7 and SDR11) will be tested w/100 psi. All steel lines will be tested w/500 psi. If a leak is found, contact Donnie Ives for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.
3. MI & RU workover unit. Bleed pressure from well, if any. Pump down with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test as required. Release PKR POH and LD 2-7/8" tbg.
4. PU & GIH with 4-3/4" MT bit and 2-7/8" workstring to 6671'. Reverse circulate using 8.6 ppg cut brine.
5. MI & RU WL. GIH w/ CIBP to 6635'. Set 5-1/2" CIBP at 6635'. Pressure test casing and CIBP to 500 psi. If CIBP does not test isolate leak. POOH. LD setting tool.

Note: after perforating we will dump bail cement.

6. MI&RU WL. GIH and conduct GR/Compensated Neutron/CCL log from 6512' up to 3000'. POH. **Note: Fax log to Adam English (687-7558) for correlation and perf verification.** GIH and conduct GR/CBL/CCL from 6512' up to 100' above top of cement. Run log with 500 psi on casing. POOH. Inspect logs for good cement bond from approximately 6512' up to 6312'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding.
7. GIH w/3-3/8" RHSC Gunslinger casing guns and perforate the following intervals with 4 JSPF at 120 degree phasing using 23 gram premium charges:

Top Perf	Bottom Perf	Net	# holes
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6506	6516	10	40
6491	6500	9	36
6477	6483	6	24
6462	6472	10	40
6435	6455	20	80
6402	6410	8	32
6370	6380	10	40
6352	6360	8	32
6315	6325	10	40
6279	6289	10	40
<i>Total</i>		101	404

Note: Tie into Welex Compensated Density/Neutron Log Dated 11/27/1958

8. RD & RL WL unit. RIH w/ 5-1/2" treating pkr w/2.25"F profile nipple on 2-7/8" WS, testing tbg to 7000 psi to 6229'. Set Packer at approximately 6229'.
9. MIRU DS acid truck. Attempt to pump into perfs (6312'-6512'). Pump **3,000 gals** 20% NEFE anti-sludge HCl acid at a rate of **3-5 BPM** and a maximum surface pressure of **6,000 psi** dropping a total of 530, 1.3 SG balls evenly distributed. Displace with 8.6# BW. Record ISIP 5, 10, & 15 minute.

* Acid system to contain:

2 GPT A264	Corrosion Inhibitor
8 GPT L63	Iron Control Agents
3 PPT A179	Iron Control Aid
20 GPT U66	Mutual Solvent
2 GPT W53	Non-Emulsifier

10. RD DS acid truck. RU swab and swab well recording rates, volumes, pressures, and fluid levels. Report to Engineering.
11. Release pkr and POOH w/pkr. LD pkr.
12. PU and GIH w/ 5-1/2" Arrow-Set 10k pkr & On-Off tool w/ 2.25" "F" profile and 197 jts of 3-1/2" EUE 8R L-80 work string, testing to 8500 psi. Set pkr at approximately 6205'. 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.
13. MIRU DS & Rita Dickey (432-553-2526). Frac Drinkard perfs down 3-1/2" tbg at **30 BPM** with 30,000 gals YF125FT and 60,000# 20/40 SuperLC Resin Coated Sand w/a max pressure of **8,000 psi**. Pump job as follows:

Pump 1,000 gals WF125 @ 20 BPM

Pump 11,000 gals YF125ST Pad @ 30 BPM

Pump 2,500 gals YF125ST containing 1 PPG 20/40 SuperLC @ 30 BPM

Pump 3,000 gals YF125ST containing 2 PPG 20/40 SuperLC @ 30 BPM

Pump 3,500 gals YF125ST containing 3 PPG 20/40 SuperLC @ 30 BPM

Pump 4,000 gals YF125ST containing 4 PPG 20/40 SuperLC @ 30 BPM
Pump 5,000 gals YF125ST containing 5 PPG 20/40 SuperLC @ 30 BPM

Flush to 6286' with 1418 gals WF125. **Do not overflush.** Shut well in. Record ISIP, 5, 10, & 15 minute SI tbg pressures. RD & release DS Services and Tracer Tech. Leave well SI overnight.

14. Open well. Bleed pressure from well, if any. Release pkr. POH LD 3 ½" work string, on-off tool, and pkr.
15. PU and GIH with 4-3/4" MT bit on 2 7/8" Class "A" tubing to approximately 6600'. If fill is tagged above 6600', cleanout to 6600' using 8.6# PPG cut brine water using air unit if necessary. POOH with 2 7/8" tbg and bit. LD bit.
16. PU & GIH with 7" pkr on 2 7/8" tbg string to 6229'. Set pkr at 6229'. Open well. GIH and swab well until there is no sand inflow
17. Release pkr. POOH 2-7/8" tbg and pkr.
18. RIH w/ 2-7/8" production tubing and hang off per ALS recommendation. NDBOP. NUWH. RIH w/ rods and pump per ALS.
19. RD Key PU & RU. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

Engineer – Lonnie Grohman
432-687-7420 Office
432-238-9233 Cell

Scarborough #4

Location: 1980
T22S, R38E, Sec 31, 1980' FNL & 1960' FWL
Unit Letter: F
Field: Brunson South
County: Lea
State: NM
Area: Hobbs

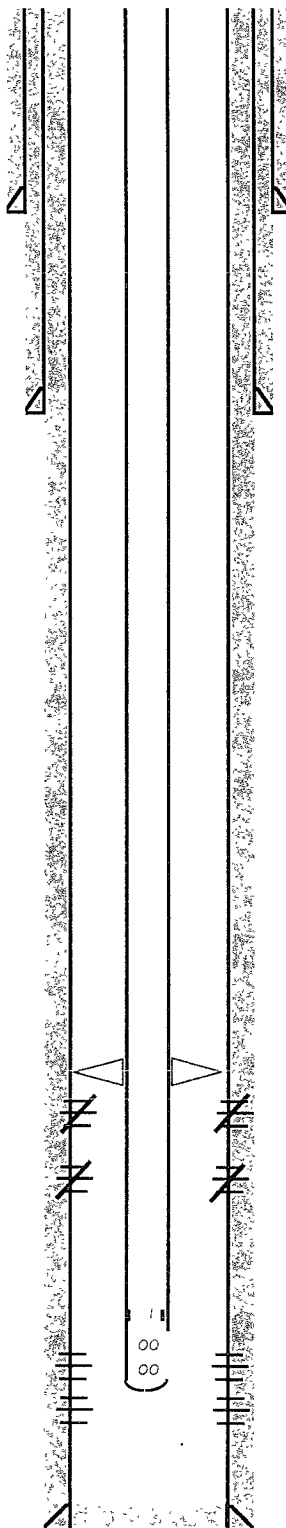
Well Info:
Spud Date: 10/26/1958
API: 30-025-12172
Cost Center: UCU862200
WBS#:
RefNO: FB3116
Lease: FEE

Current Wellbore Diagram

Elevations:

DF:
KB:
GL: 3324'

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 update date well file in the Eunice Field Office. Discuss w/ WEO Engineer, WQ Rep, OS, A.S. & FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.



Surface Casing

Size: 13-3/8" 33 6#
Set: @ 348'
With: 400
Hole Size: 17-1/2"
Circ: Yes
TOC @ Surface

Intermediate Casing

Size: 8-5/8" 32 & 24#
Set: @ 3186'
With: 1625 sks
Hole Size: 11
Circ: No
TOC @ 445' from TS

Perfs: 5395-5506' Zone: Blinbry Status: Sqz'd

Perfs: 5940-6204' Zone: Tubb Status: Sqz'd

Perfs: 6671-7065' Zone: Drnkard/Abo Status:

Production Casing

Size: 5-1/2" 17 & 15 5#
Set @: 7068
With: 830 sks
Hole Size: 7-7/8"
TOC: 3105'

Updated:

By: LGEK
PBTD: 7078'
TD: 7085'

Scarborough #4

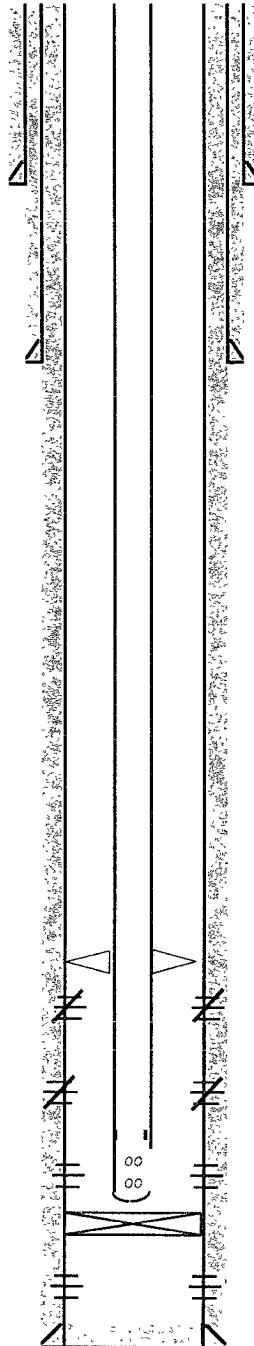
Location: 1946
T22S, R38E, Sec 31, 1980' FNL & 1906' FWL
Unit Letter: F
Field: Brunson South
County: Lea
State: NM
Area: Hobbs

Well Info
Spud Date: 10/26/1958
API: 30-025-12172
Cost Center: UCU862200
WBS#:
RefNO: FB3116
Lease: FEE

Proposed Wellbore Diagram

Elevations:
DF:
KB:
GL: 3324'

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Intermediate Casing
Size: 8-5/8" 32 & 24#
Set @ 3186'
With: 1625 sks
Hole Size: 11
Circ: No
TOC @ 445' from TS

Perfs:	Zone:	Status:
5395-5506'	Blinbry	Sqz'd
5940-6204'	Tubb	Sqz'd
6279-89'	Dnnkard	Proposed
6315-25'	Dnnkard	Proposed
6352-60'	Dnnkard	Proposed
6370-80'	Dnnkard	Proposed
6402-10'	Dnnkard	Proposed
6435-55'	Dnnkard	Proposed
6462-72'	Dnnkard	Proposed
6477-83'	Dnnkard	Proposed
6491-6500'	Dnnkard	Proposed
6506-16'	Dnnkard	Proposed

Perfs:	Zone:	Status:
6671-7065'	Dnnkard/Abo	

Production Casing
Size: 5-1/2" 17 & 15 5#
Set @ 7068
With: 830 sks
Hole Size: 7-7/8"
TOC: 3105'
By: TS

CIBP @ 6635' w/35' cmt

Updated:
By: LGEK
PBDT: 7078'
TD: 7085'