Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: 213520
6. If Indian, Alottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☑ OIL WELL ☐ GAS WELL ☐ OTHER
8. Well Name and Number: FALBY, C. P. -A- FEDERAL 1
2. Name of Operator: CHEVRON USA INC
3. Address and Telephone No.: 15 SMITH ROAD, MIDLAND, TX 79705 915-687-737
9. API Well No.: 30 025 10117
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter C : 660 Feet From The NORTH Line and 1980 Feet From The WEST Line Section 8 Township 22S Range 37E
10. Field and Pool, Exploaratory Area: PENROSE SKELLY GRAYBURG
11. County or Parish, State: LEA , NEW MEXICO

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| ☑ Notice of Intent | ☐ Abandonment | ☐ Change of Plans |
| ☐ Subsequent Report | ☑ Recompletion | ☐ New Construction |
| ☐ Final Abandonment Notice | ☐ Plugging Back | ☐ Non-Routine Fracturing |
| | ☐ Casing Repair | ☐ Water Shut-Off |
| | ☐ Atlering Casing | ☐ Conversion to Injection |
| | ☐ OTHER: PLUGBACK TO GRAYBURG | ☐ Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*.

CHEVRON USA INC INTENDS TO RECOMPLETE THE SUBJECT WELL FROM THE BLINEBRY/DRINKARD FORMATION TO THE GRAYBURG FORMATION.

THE INTENDED PROCEDURE AND WELLBORE DIAGRAMS IS ATTACHED FOR YOUR APPROVAL.

RECEIVED
MAY 2003
Hobbs OCD

14. I hereby certify that the foregoing is true and correct

SIGNATURE Denise Leake TITLE Regulatory Specialist DATE 4/28/2003

TYPE OR PRINT NAME Denise Leake

(This space for Federal or State office use)

APPROVED
(ORIG. SGD.) DAVID R. GLASS
APPROVED
CONDITIONS OF APPROVAL, IF ANY: MAY 16 2003 TITLE DATE

DAVID R. GLASS
PETROLEUM ENGINEER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GWW

**C. P. Falby "A" Federal # 1**
**Penrose Skelly Field** #50350
**T22S, R37E, Section 8**
**Job: PB To Grayburg Formation And Frac Stimulate**

**Procedure:**

1. Displace flowline with fresh water. Have field specialist close valve at header. Pressure line according to the type of line. AGU, EMSU, and EMSUB 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 Larry Williams for repair/replacement. If test is good, bleed off pressure and **open valve** at header. Document this process in the morning report.

2. MI & RU pulling unit. Bleed pressure from well, if any. Pump down csg with 8.6 PPG cut brine water, if necessary to kill well. Remove WH. Install BOP's and test to 1000 psi.

3. PU and GIH with 4 ¼" MT bit and 2 7/8" work string to 5500'. POH with work string and bit. LD bit. PU & GIH with 5" RBP on 2 7/8" work string to approximately 5400'. Set RBP at 5400'. Pressure test csg and RBP to 1000 psi. PUH to 5000'. Pour 2 sks 16/30 mesh sand down 2 7/8" work string and let fall to top of RBP. Reverse circulate well clean from 5000' using 8.6 PPG cut brine water. POH with 2 7/8" work string and retrieving head. LD retrieving head.

4. MI & RU Baker Atlas electric line unit. Install lubricator and test to 1000 psi. GIH and conduct GR/Compensated Neutron/CCL log from 5000' up to 2600'. POH. **Note: Fax log to Robert Martin ((915) 687-7267) for correlation and picking perfs.** GIH and conduct GR/CBL/CCL log from 5000' up to 2600'. POH. Inspect logs for good cement bond from approximately 4100' up to 3400'. If bond does not appear to be good across proposed completion interval, discuss with Engineering before proceeding. Cmt squeeze as necessary to obtain good cmt across completion interval. GIH with 3 1/8" DP slick casing gun and perforate from 3760-3900' with 4 JSPF at 120 degree phasing, using 23 gram premium charges. POH. RD & release electric line unit. **Note: Exact perfs will be adjusted after conducting logs.**

5. PU and GIH w/ 5" PPI pkr (with 10' element spacing) and SCV on 2 7/8" work string to approximately 3750'. Test tbg to 5500 psi while GIH.

6. MI & RU DS Services. Acidize perfs with 50 gals per foot anti-sludge 15% HCl acid ** at a maximum rate of **½ BPM** and a maximum surface pressure of **3500 psi**. Spot acid to bottom of tbg at beginning of each stage. Displace acid with 8.6 PPG cut brine water -- do not overdisplace. Use a SCV to control displacement fluid. Record ISIP, 5 & 10 minute SIP's. RD and release DS services. **Note:**

**Pickle tubing in 1 run of 500 gals acid, prior to acidizing perfs. Pickle acid is to contain only 1/2 gal A264 and 1 gal W53. Also, if communication occurs during treatment of any interval, monitor casing pressure and attempt to complete stage w/o exceeding 1000 psi csg pressure. If cannot, then move PPI to next setting depth and combine treatment volumes of the intervals.**

| | | |
|---|---|---|
| ** Acid system is to contain: | 1 GPT A264 | Corrosion Inhibitor |
| | 8 GPT L63 | Iron Control Agent |
| | 2 PPT A179 | Iron Control Aid |
| | 20 GPT U66 | Mutual Solvent |
| | 2 GPT W53 | Non-Emulsifier |

7. Release PPI pkr and PUH to approximately 3750'. Swab back all intervals together. Recover 100% of treatment and load volumes before shutting well in for night, if possible. Report recovered fluid volumes, pressures, and/or swabbing fluid levels. **Note: Selectively swab perfs as directed by Engineering if excessive water is produced.**

8. Open well. Release PPI pkr. POH with tbg and PPI packer. LD PPI tool.

9. PU and GIH w/ 5" Lok-Set pkr & On-Off tool w/ 2.25" "F" profile on 2 7/8" EUE 8R L-80 work string, testing to 7500 psi. Set pkr at approximately 2500'. Install frac head. Pressure annulus to 500 psi to test csg and pkr. Leave pressure on csg during frac job to observe for communication.

10. MI & RU DS Services. Frac well down 2 7/8" tubing at **35 BPM** with 68,000 gals of YF135, 130,000 lbs. 16/30 mesh Jordan Sand, and 30,000 lbs **resin-coated** 16/30 mesh CR4000 proppant. Observe a maximum surface treating pressure of **7400 psi**. Pump job as follows:

    Pump 2,000 gals 2% KCL water containing 110 gals Baker SCW-358 Scale Inhibitor
    Pump 1,000 gals 2% KCL water spacer
    Pump 28,000 gals YF135 pad containing 5 GPT J451 Fluid Loss Additive
    Pump 4,000 gals YF135 containing **ramped** 0 - 1 PPG 16/30 mesh Jordan Sand
    Pump 4,000 gals YF135 containing **ramped** 1 - 2 PPG 16/30 mesh Jordan Sand
    Pump 6,000 gals YF135 containing **ramped** 2 - 3 PPG 16/30 mesh Jordan Sand
    Pump 8,000 gals YF135 containing **ramped** 3 - 4 PPG 16/30 mesh Jordan Sand
    Pump 10,000 gals YF135 containing **ramped** 4 - 5 PPG 16/30 mesh Jordan Sand
    Pump 3,000 gals YF135 containing **ramped** 5 - 6 PPG 16/30 mesh Jordan Sand
    Pump 5,000 gals YF135 containing 6 PPG **resin-coated** 16/30 mesh CR4000 proppant

    Flush to 3675' with 1,575 gals WF135. **Do not overflush.** Shut well in. Record ISIP, 5, 10, and 15 minute SI tbg pressures. SWI. RD & Release DS Services. **Leave well SI overnight.**

11. Open well. Release pkr and POH with 2 7/8" work string. Lay down work string and pkr.

12. PU 4 ¼" MT bit and GIH on 2 7/8" work string to top of sand fill in 5" csg. Establish circulation using 8.6 PPG cut brine water. LD and cleanout wellbore to 4100'. Reverse circulate well clean from 4100' using 8.6 PPG cut brine water. POH with 2 7/8" work string and bit. LD 2 7/8" work string and bit.

13. PU and GIH w/ BP mud anchor jt of 2 7/8" tbg, 2 7/8" x 4' perforated sub, SN, 10 jts 2 7/8" EUE 8R J-55 tbg, TAC, and 118 jts 2 7/8" EUE 8R J-55 tbg, testing to 5000 psi. Set TAC at 3655', with EOT at 4000' and SN at 3965'.

14. Remove BOP's and install WH. GIH with rods, weight bars, and pump per ALS recommended design. RD & release pulling unit.

15. Turn well over to production. Report producing rates, choke sizes, flowing pressures and/or fluid levels.

AMH
4/23/2003

# WELL DATA SHEET

FIELDS: Blinebry & Drinkard
LOCATION: 660' FNL, 1980' FWL
TOWNSHIP: 22S
RANGE: 37E
LOT: C

WELL NAME: C. P. Falby Fed A #1
SECTION: 8
COUNTY: Lea
STATE: NM

GL: 3425'
KB:
DF: 3435'

FORMATION: Blinebry/Drinkard DHC
CURRENT STATUS: PR
API NO: 30-025-10117
REFNO: FB1122

## CURRENT

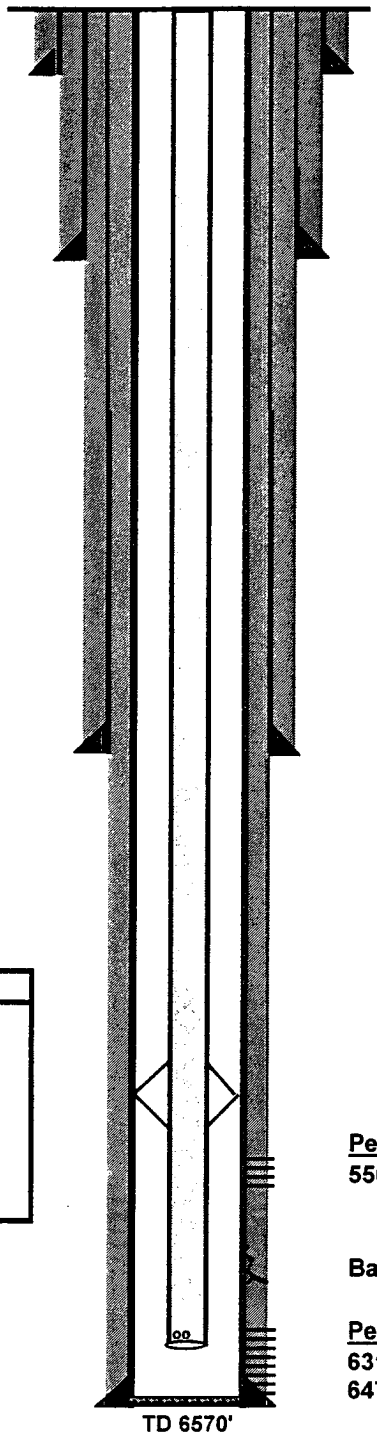
12-1/2" 45#
Set @ 228' w/175 sx cmt
Circ cmt to surf

9-5/8", 40#
Set @ 1192' w/600 sx cmt
TOC unknown

7", 24#
Set @ 3550' w/300 sx cmt
TOC unknown

Tubing Detail
EOT @ 6518'
BPMA jt of 2-3/8" tbg
2-3/8" x 4' perf tbg sub
SN @ 6483'
34 jts 2-3/8" tbg
TAC @ 5456'
176 jts 2-3/8" tbg

5" csg, 13# & 15# J-55
Set @ 6570' w/300 sx cmt
TOC unknown




Spud Date: 3/17/37
Date Completed: 4/22/37
Initial TD: 3750'
Drilled deeper: 8/3/50-9/20/50 to 6570'

| Perfs | Status |
|---|---|
| 5508-5840' | Blinebry - open |

Bad spot f/5983-6000'

| Perfs | Status |
|---|---|
| 6310-6450' | Drinkard (new) - open |
| 6470-6565' | Drinkard (old) - open |

# WELL DATA SHEET

FIELDS: Penrose Skelly
LOCATION: 660' FNL, 1980' FWL
TOWNSHIP: 22S
RANGE: 37E
LOT: C

WELL NAME: C. P. Falby Fed A #1

SECTION: 8
COUNTY: Lea
STATE: NM

GL: 3425'
KB:
DF: 3435'

FORMATION: Grayburg

CURRENT STATUS: PR
API NO: 30-025-10117
REFNO: FB1122

PROPOSED

12-1/2" 45#
Set @ 228' w/175 sx cmt
Circ cmt to surf

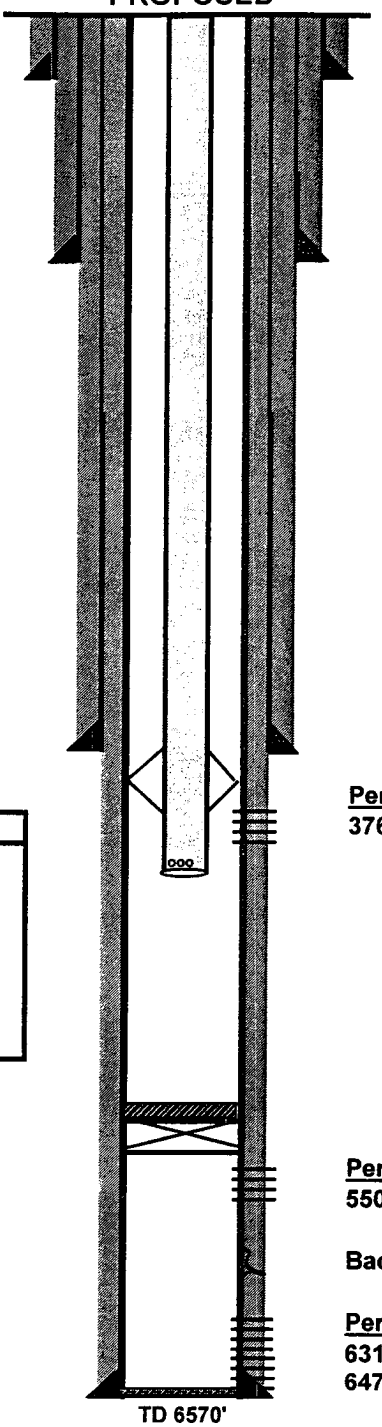
9-5/8", 40#
Set @ 1192' w/600 sx cmt
TOC unknown

7", 24#
Set @ 3550' w/300 sx cmt
TOC unknown

Tubing Detail
EOT @ 4000'
BPMA jt of 2-7/8" tbg
2-7/8" x 4' perf tbg sub
SN @ 3965'
10 jts 2-7/8" tbg
TAC @ 3655'
118 jts 2-7/8" tbg

RBP set @ 5400' w/20' sand on top

5" csg, 13# & 15# J-55
Set @ 6570' w/300 sx cmt
TOC unknown




Spud Date: 3/17/37
Date Completed: 4/22/37
Initial TD: 3750'
Drilled deeper: 8/3/50-9/20/50 to 6570'

| Perfs | Status |
|---|---|
| 3760-3900' | Grayburg - open |

| Perfs | Status |
|---|---|
| 5508-5840' | Blinebry - below RBP |

Bad spot f/5983-6000'

| Perfs | Status |
|---|---|
| 6310-6450' | Drinkard (new) - below RBP |
| 6470-6565' | Drinkard (old) - below RBP |