N.M. OIL CONS.
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.: NM 30400

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: Half 6 Federal Com. #1

2. Name of Operator: Enron Oil & Gas Company

9. API Well No.: 30 025 30982

3. Address and Telephone No: P. O. Box 2267, Midland, Texas 79702 (915) 686-3714

10. Field and Pool, or Exploratory Area: Red Hills Bone Spring

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
990' FSL & 1980' FEL
Sec 6, T25S, R34E

11. County or Parish, State: Lea County, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[X] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] 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.)*

To plug back from the Morrow and recomplete in the 3rd Bone Spring from 12,252' to 12,346'

SEE ATTACHED WORKOVER PROCEDURE

RECEIVED
APR 4 11 32 AM '95
CARLSBAD AREA OFFICE

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

Signed Betty Gildon Title Regulatory Analsyt Date 4/3/95

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA Title PETROLEUM ENGINEER Date 5/2/95

Conditions of approval, if any:

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.

*See Instruction on Reverse Side

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
ENRON OIL & GAS CO.	HALF 6 FEDERAL ~~COM~~	1

Unit Letter	Section	Township	Range	County
O	6	25 SOUTH	34 EAST NMPM	LEA

Actual Footage Location of Well:
990 feet from the south line and 1980 feet from the east line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3441.9'	Bone Spring	Red Hills	~~40~~ 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

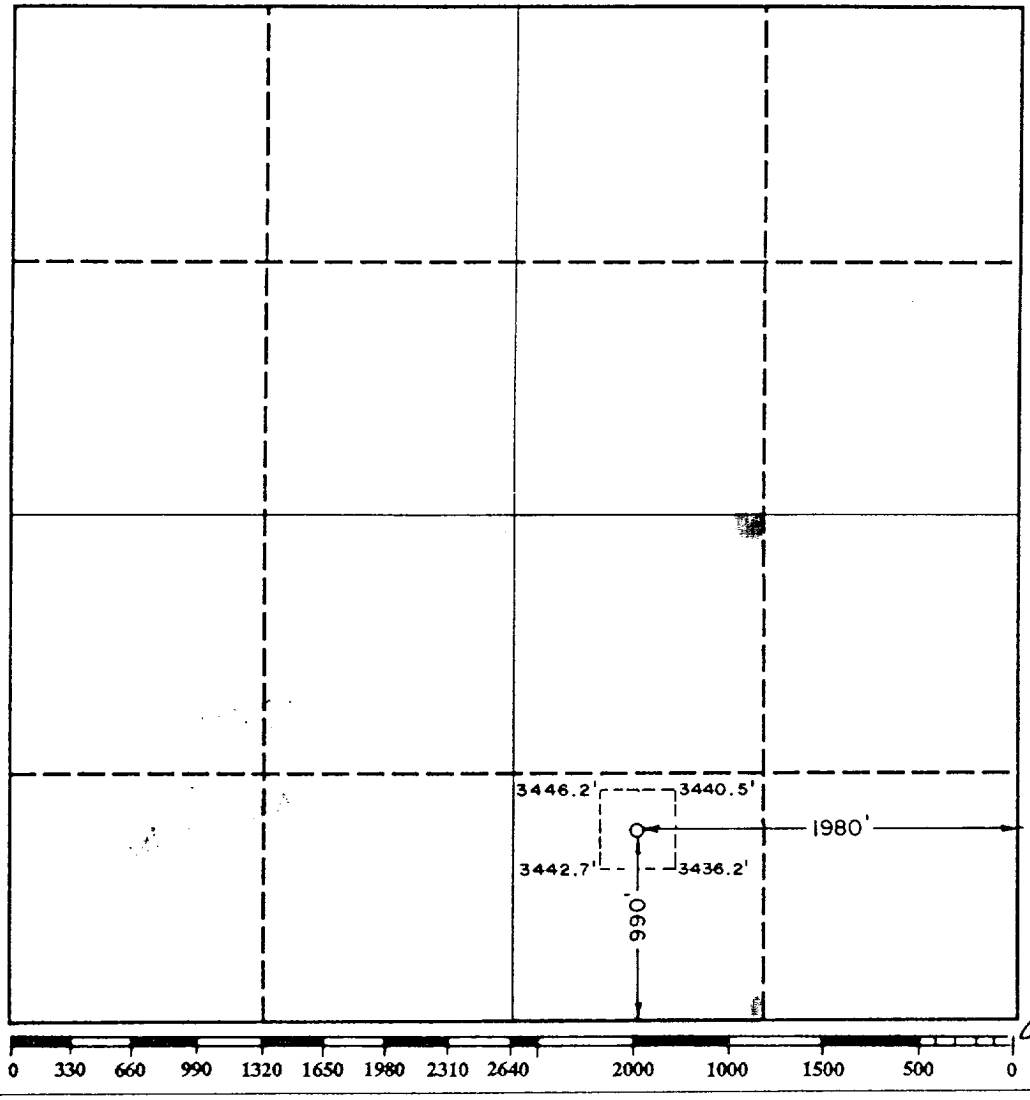
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature: Betty Gildon

Printed Name: Betty Gildon

Position: Regulatory Analyst

Company: Enron Oil & Gas Company

Date: 3/30/95

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: July 13, 1990

Signature & Seal of Professional Surveyor

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 676 JOHN W. WEST

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON, 3239

Well Information

Location:	990' FSL & 1980' FEL Section 6, T-25-S, R -34-E
County:	Lea County, New Mexico
AFE No.:	100773
Total Depth:	15,406'
K.B. :	3,465' (23 above GL)
Casing:	16", 65 lb/ft, H-40, WC-50, WC-40, ST&C @ 685', Cmt. Circ. 10 3/4", 45.5 & 40.5 lb/ft, K-55 & HC-80, ST&C @ 5,255',Cmt. Circ. 7 5/8", 33.7, 29.7, 26.4#/ft, S-95 & N-80, Butt. & LT&C, @ 13,336' TOC @ 7,000 (calculated-50% washout assumed)
Liner:	5 1/2", 23 lb/ft, P-110, FL4S @ 15,165', TOL @ 12,978' 3 1/2", 12.95 lb/ft, P-105, FL4S @ 15,442', TOL @ 14,564'
Tubing:	2 7/8", 6.5 lb/ft, N-80, API Modified (0-13,010') 2 7/8", 6.5 lb/ft P-105, API Modified (13,010'-14,564') Stung into 3" PBR in liner top @ 14,564, landed with 20,000 lb slack off
Perforations:	Morrow "C" : 15,288'-15,360' Morrow "A" : 14,708'-14,718' Morrow Sinatra: 14,958'-14,966'

Procedure to plug back and Complete in Third Bone Spring Sand

Proposed perforations: 12,375'-12,425'

1. RU HES CTU to fish "GO" packer and siphon string.

2. MIRU well service unit with capacity to pull 300,000 lbs. Kill well and load hole with 2% KCL. Rig down tubing spool, install 5000 psig BOP with blind, 2 7/8" rams (interchangeable with 5 1/2" rams), stripper head.

3. Sting out of PBR and pull out of hole with tubing, standing back.

4. Rig up HES Cased Hole Unit. Run gauge ring for 5 1/2" liner to top of 3 1/2" liner at ±14,564'. Set 5 1/2" CIBP over 3 1/2" liner top at ±14,560'(over Morrow) and dump bail 35' of cement. Run gauge ring for 7 5/8" casing to top of 5 1/2" liner at ±12,978'. Set 7 5/8" CIBP (over Wolfcamp) above 5 1/2" liner top at ±12,978' and dump bail 35' of cement.

5. Run CBL-CCL-GR in 7 5/8" casing from 12,500 to ±11,000 (minimum footage). First pass will be run without pressure, second pass will be run with pressure. Correlate to Schlumberger compensated Neutro-Litho-Density we dated 11-29-90. NOTE: If correlation is difficult, run CNG for correlation.

6. RU casing crew. Pick Float Shoe, 1 JT 5 1/2" casing, Float Collar, 5 1/2" 17 lb/ft P-110 & S-95 LT&C 8rd casing. Run to ±12,170. Run six centralizers on bottom 1,000' of casing.

7. Rig up HES. Pump 10 bbls of fresh water, followed by 110 sacks of Premium 50/50 Poz containing:

2% Gel	Weight: 14.4 lb/gal
3 lb/sk KCl	Yield: 1.256 cuft/sk
0.5% Halad-322	Water: 5.507 gal/sk

   Displace with fresh water. Bump plug.

8. ND BOP, land 5 1/2" casing on slips, slacking off 15,000 lbs. Cut off casing install "B" section (7 5/8 5m x 7 1/16" 10m) Run temperature survey.

9. Install 5000 psig BOP. PU and RIH with 4 3/4" bit, drill collars and work string.

10. Drill out shoe joint and run in hole to 12,600'.

11. Circulate the hole with 2% KCL water containing 2 gpt LOSURF-300 and 1 gpt Cla-Sta XP. PU workstring to 12,400' and spot 400 gallons of 10% acetic acid containing 2 gpt Pen-88, 2 gpt LoSurf-300, 2 gpt Cla-Sta XP, 10 gpt MSA inhibitor. POOH laying down tubing.

12. ND BOP. RU 10,000 psig frac valve on 'B' section.

13. Rig up HES Cased Hole Unit, 5,000 PSI lubricator, grease equipment. Pressure test BOP and 5 1/2" casing to 8,000 psig for 15 minutes. Test lubricator to 5000 psig for 15 minutes.

14. RIH with 3 1/8" casing gun and perforate third Bone Spring Sand 12,253'-12,300', 12,316'-12,346' (4spf, 60° phasing, 310 holes) as per Schlumberger Compensated Neutron-Litho-Density log dated 11-29-90.

15. MIRU B.J. Services. Acidize perforations with 3,000 gallons of 15% HCl additives (see B.J. procedure) dropping 400 ball sealers down 5 1/2 casing. **NOTE: Keep break down pressure to minimum, do not exceed 7,500 psig breakdown or ballout pressure! Utilize kill truck to hold 1000 psig on 5 1/2" x 7 5/8" annulus, during the acid and frac job.**

16. Fracture treat third Bone Spring Sand with 82,000 gallons of Medallion Frac 3000 and 166,000 of 20/40 interprop plus. Down 5 1/2 casing as follows:

    Pump 23,000 gallons of Medallion 3000 PAD
    Pump 9,000 gallons of Medallion 3000 PAD with 1 ppg 20/40 IPP.
    Pump 13,000 gallons of Medallion 3000 PAD with 2 ppg 20/40 IPP.
    Pump 17,000 gallons of Medallion 3000 PAD with 3 ppg 20/40 IPP.
    Pump 20,000 gallons of Medallion 3000 PAD with 4 ppg 20/40 IPP.
    Pump ±12,300 gallons of slickwater flush.

    Anticipated rate and pressure: 40-50 BPM at 6,000 psig
    Maximum pressure: 7,500 psig

17. Shut well in for 4 hours to allow gel to break.

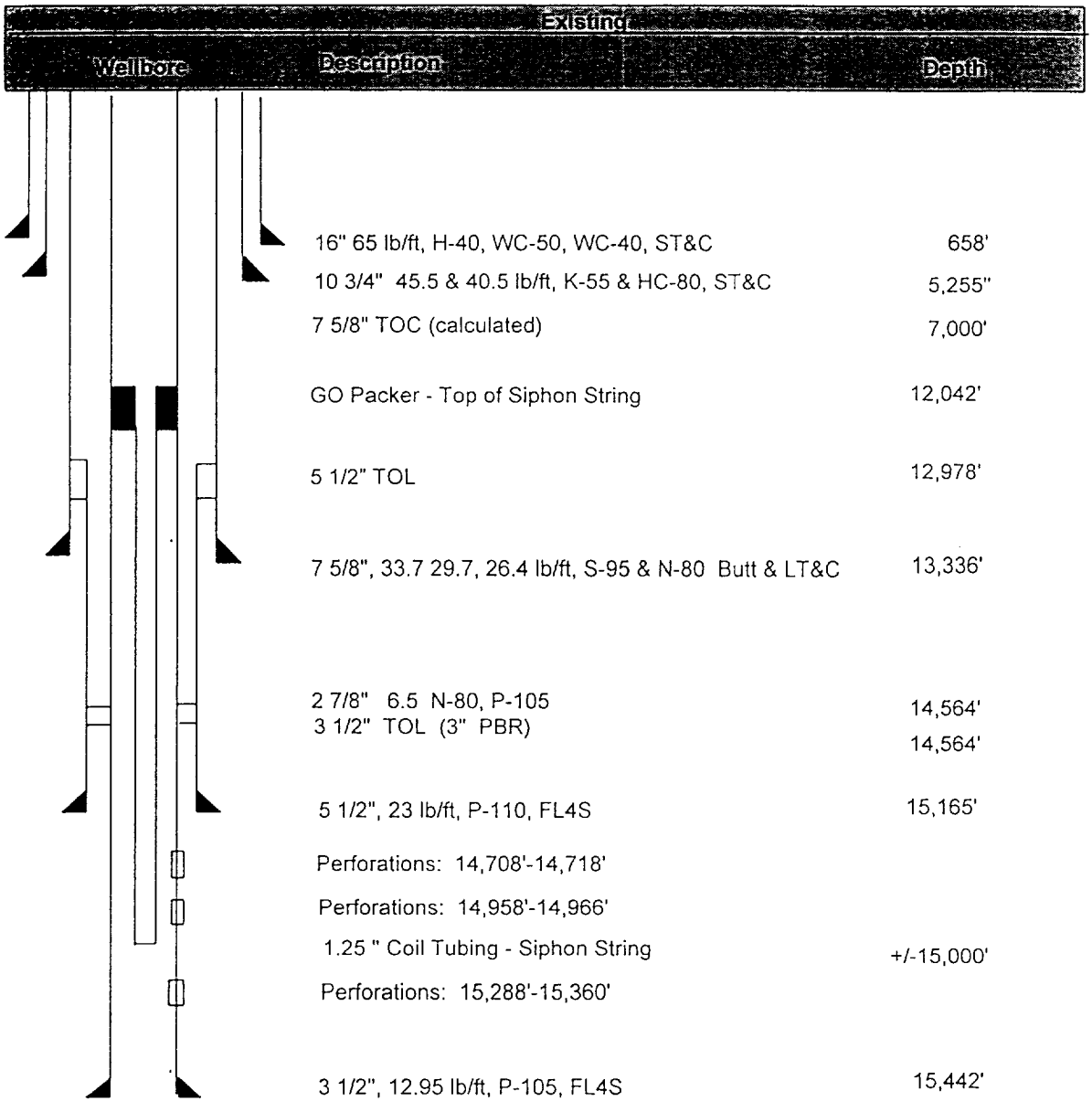
18. Install 15,000 psig choke manifold, target tees, etc. Open well to frac tank, recover load and evaluate.

19. After cleaning up, SI well. Lubricate tubing hanger and BPV into tubing spool. Remove frac valve and install 5000 psig tree. Return well to production.

March 31, 1995

Enron Oil & Gas
Half "6" Federal Com. No. 1
Workover Procedure

Wellbore Schematic



March 31, 1995

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