

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM Approved
1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

11 S. 1st St
Artesia, NM

Cons. Div.

Lease Serial No.
LC 02875

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Grayburg Deep Unit #19

9. API Well No.
30-015-29455

10. Field and Pool, or Exploratory Area
Grayburg Morrow (Gas)

11. County or Parish, State
Eddy County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Enron Oil & Gas Company

3a. Address
P. O. Box 2267, Midland, TX 79702

3b. Phone No. (include area code)
(915) 694-8228

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Subsurf: 1650 FSL & 2310 FWL Surf: 990 FSL & 1650 FWL
Sec. 25, T17S, R29E Sec. 25, T17S, R29E
Unit K Unit N

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

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Acidize
☒ Subsequent Report	☐ Deepen
☐ Final Abandonment Notice	☐ Alter Casing
	☐ Fracture Treat
	☐ Casing Repair
	☐ New Construction
	☐ Change Plans
	☐ Plug and Abandon
	☐ Convert to Injection
	☐ Plug Back
	☐ Production (Start/Resume)
	☐ Reclamation
	☐ Recomplete
	☐ Temporarily Abandon
	☐ Water Disposal
	☐ Water Shut-Off
	☐ Well Integrity
	☒ Other Operator Change

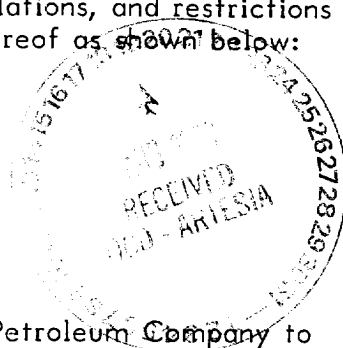
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on leased land or portions thereof as shown below:

LC 02875
Sec. 25, T17S, R29E
Morrow formation

Federal Bond: MT 0748 with
endorsement to New Mexico

Request to transfer all paperwork filed to date from Phillips Petroleum Company to
Enron Oil and Gas Company



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

Name (Printed/Typed)
Linda Johnston

Title
Agent

Signature
Linda Johnston

Date
8/3/98

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
(ORIG. SGD.) GARY GOURLEY

Title
PETROLEUM ENGINEER

Date
AUG 18 1998

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on reverse)

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

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

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

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☒ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code 77840	3 Pool Name Grayburg Morrow
4 Property Code	5 Property Name GRAYBURG DEEP UNIT	6 Well Number 19
7 OGRID No. 7377	8 Operator Name ENRON OIL & GAS COMPANY	9 Elevation 3571'

" SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	25	17 SOUTH	29 EAST, N.M.P.M.		990'	SOUTH	1650'	WEST	EDDY

" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	25	17 S	29 E		1650'	SOUTH	2310'	WEST	EDDY

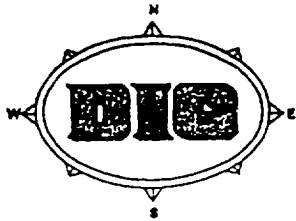
10 Dedicated Acres 320 S/2	11 Joint or Infill	12 Consolidation Code	13 Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

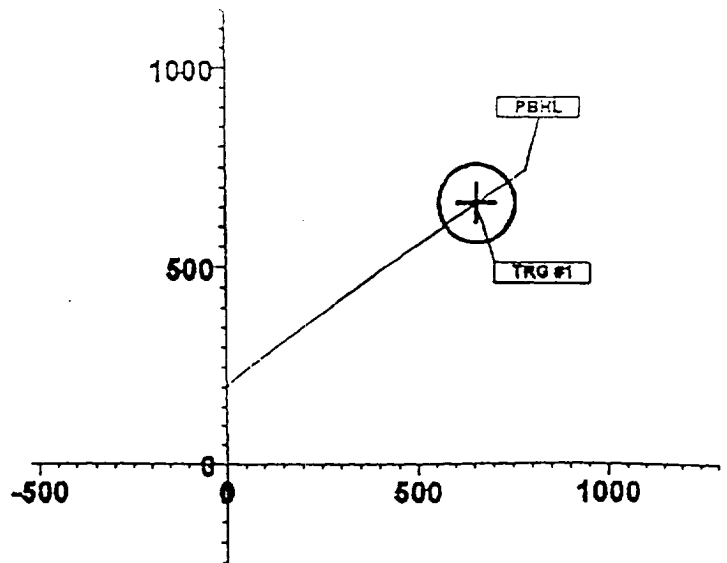
" DEVIATED WELL - SEE WELL PLAN " ↓ PROJECT AREA ↓ SUBSURFACE PRODUCING AREA 2310' 1650' 990' 1550' SURFACE	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <i>Betty Gildon</i> Printed Name Betty Gildon Title Regulatory Analyst Date 2/11/07
	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 supervision, and that the same is true and correct to the best of my belief. Date of Survey JANUARY 3, 1993 Signature and Seal of Professional Surveyor <i>Roger M. Robbins</i> Certificate No. ROGER M. ROBBINS P.S. #12123 JOB # 49153-3/ 99 SE / JSJ

ENRON OIL & GAS

GRAYBURG DEEP UNIT #19
EDDY COUNTY, NEW MEXICO



South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]

TARGET DETAILS

No.	TVD	N/S	E/W	Target
1	11100.00	660.00	660.00	TRG #1

Plan: Plan #2 (GRAYBURG DEEP UNIT #19/plan #2)

Created By: Mark Cockrell

Date: 7/24/98

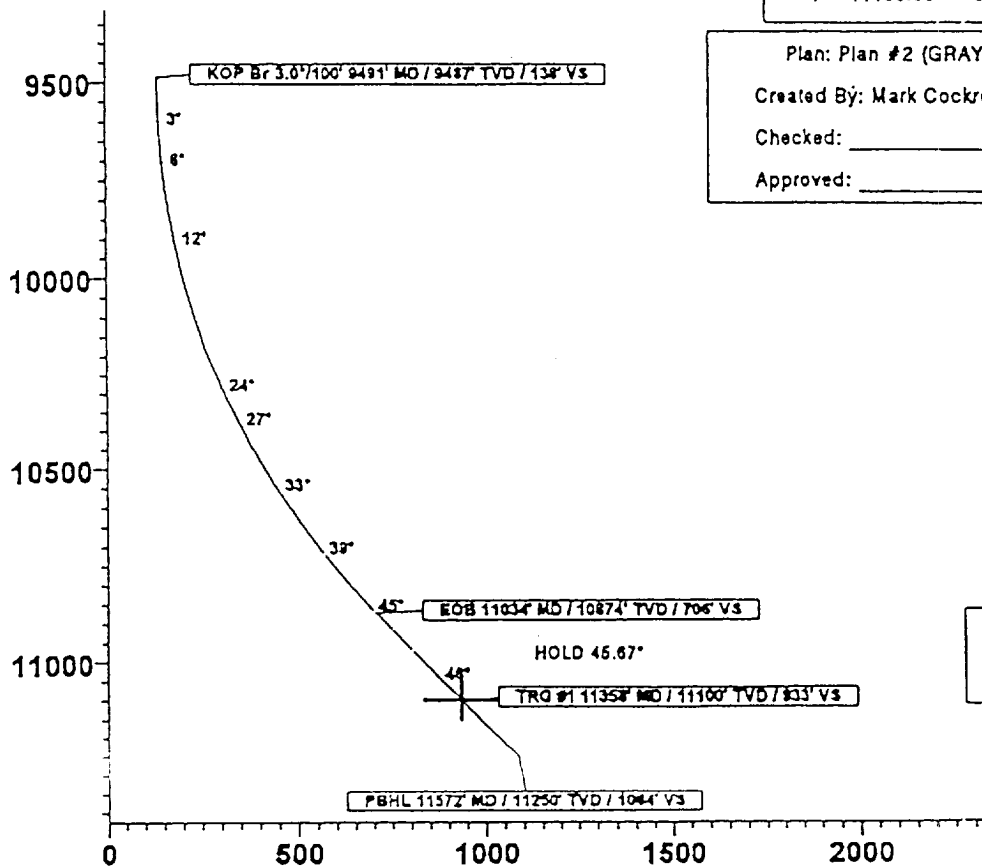
Checked: _____

Date: _____

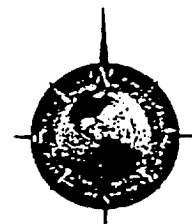
Approved: _____

Date: _____

True Vertical Depth [500ft/in]



Vertical Section [500ft/in]



PLANE OF VERTICAL SECTION 45.0°

North Relative to TRUE
Magnetic Declination: 10°

LEAM DRILLING SYSTEMS/DIG
4500 V. Hwy. 80
Midland, Texas 79703
Tel: (916)997-1400
Fax: (916)990-6400
WATT4: (900)463-0031

C:\ENRON\EDDY\GRAYBURG.GPF REV.1

SECTION DETAILS

Sec	MD	Inc	Az	TVD	N/S	E/W	OLeg	TFace	VSec	Target
1	9491.00	1.50	302.80	9487.26	195.72	-0.42	0.00	0.00	138.10	
2	11033.63	45.67	56.28	10873.54	531.34	467.21	3.00	114.61	706.08	
3	11357.67	45.67	56.28	11100.00	660.00	660.00	0.00	0.00	933.38	TRG #1
4	11572.31	45.67	56.28	11250.00	745.22	787.70	0.00	0.00	1083.94	

DIG Drilling Systems

Planning Report

Company: ENRON OIL & GAS	Date: 7/24/98	Time: 13:47:14	Page: 1
Field: EDDY COUNTY, NEW MEXICO	Co-ordinate (NE) Reference:	Site: GRAYBURG DEEP UNIT #19, True North	
Site: GRAYBURG DEEP UNIT #19	Vertical (TYD) Reference:	SITE 0.0 above Mean Sea Level	
Well: GRAYBURG DEEP UNIT #19	Section (VS) Reference:	Slot (0.0E, 0.0N, 45.0Az)	
Wellpath: plan #2	Plan:	Plan #2	

Field: EDDY COUNTY, NEW MEXICO

Map Projection & Zone:

Direction of Local North:

True

Ellipsoid:

Field Datum: Mean Sea Level

Geomagnetic Model:

WMM_95

Site: GRAYBURG DEEP UNIT #19
EDDY COUNTY, NEW MEXICO

Site Centre:

m E
m N

Latitude
Longitude

Site Water Depth: 0.0 ft

Position Uncertainty: 0.0 ft

Magnetic Declination: 10.00 deg

Grid Convergence: 0.00 deg

Measured Depths Referenced To: SITE

0.0 ft above Mean Sea Level

Well: GRAYBURG DEEP UNIT #19

Originating From:

0.0 ft +N-S
0.0 ft +E-W

Map Easting:

0.00 m

Map Northing:

0.00 m

Wellpath: plan #2

Origin of Vertical Section: Slot

0.0 ft +N-S
0.0 ft +E-W

Direction of Vertical Section: 45.00 deg

Plan: Plan #2

Date Composed: 7/24/98

Version: 1

Principal: Yes

Locked: No

Plan Section Information

MD ft	Incl deg	Azin deg	TYD ft	+N-S ft	+E-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg	Target
9491.0	1.50	302.80	9487.3	195.7	-0.4	0.00	0.00	0.00	0.00	
11033.8	45.87	56.28	10873.5	531.3	467.2	3.00	2.86	7.36	114.81	
11357.7	45.67	56.28	11100.0	660.0	660.0	0.00	0.00	0.00	0.00	TRG #1
11572.3	45.67	56.28	11250.0	745.2	787.7	0.00	0.00	0.00	0.00	

Section 1: DTS CH Tang Part 1 Build 2.86

MD ft	Incl deg	Azin deg	TYD ft	+N-S ft	+E-W ft	VS ft	DLS d/100ft	Build d/100ft	Turn d/100ft	TFO deg
9491.0	1.50	302.80	9487.3	195.7	-0.4	138.1	0.00	0.00	0.00	0.00
9500.0	1.41	312.82	9496.3	195.9	-0.6	138.1	3.00	-1.02	111.38	114.81
9600.0	2.97	30.36	9596.2	198.9	-0.2	140.5	3.00	1.56	77.53	104.79
9700.0	5.80	44.09	9695.9	204.8	4.6	148.1	3.00	2.83	13.73	27.29
9800.0	8.75	48.73	9795.1	213.4	13.9	160.7	3.00	2.94	4.64	13.59
9900.0	11.72	51.03	9893.5	224.9	27.5	178.4	3.00	2.97	2.31	8.99
10000.0	14.70	52.42	9990.8	239.0	45.4	201.1	3.00	2.98	1.38	6.72
10100.0	17.69	53.34	10086.8	255.8	67.7	228.7	3.00	2.99	0.92	5.37
10200.0	20.68	54.00	10181.3	275.3	94.2	261.2	3.00	2.99	0.66	4.48
10300.0	23.68	54.51	10273.9	297.3	124.8	298.5	3.00	2.99	0.50	3.86
10400.0	26.67	54.90	10364.4	321.9	159.5	340.4	3.00	3.00	0.40	3.39
10500.0	29.67	55.22	10452.5	348.9	198.2	386.9	3.00	3.00	0.32	3.03
10600.0	32.67	55.49	10538.1	378.3	240.8	437.8	3.00	3.00	0.27	2.75

DIG Drilling Systems

Planning Report

Company: ENRON OIL & GAS	Date: 7/24/98	Time: 13:47:14	Page: 2
Field: EDDY COUNTY, NEW MEXICO	Co-ordinate (NE) Reference: Sta GRAYBURG DEEP UNIT #19, True North		
Site: GRAYBURG DEEP UNIT #19	Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level		
Well: GRAYBURG DEEP UNIT #19	Section (VS) Reference: Sit (0.0E, 0.0N, 45.0Az)		
Wellpath: plan #2	Plan: Plan #2		

Section 1: DT5 CH Tang Part 1 Build 2.86

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Bld d/100ft	Turn d/100ft	TFO deg
10700.0	35.66	55.72	10620.8	410.0	287.1	493.0	3.00	3.00	0.23	2.52
10800.0	38.66	55.91	10700.5	444.0	337.1	552.3	3.00	3.00	0.20	2.34
10900.0	41.66	56.08	10776.9	480.0	390.6	615.6	3.00	3.00	0.17	2.18
11000.0	44.66	56.24	10849.8	518.1	447.4	682.7	3.00	3.00	0.15	2.05
11033.6	45.66	56.28	10873.5	531.3	467.2	706.1	3.00	3.00	0.14	1.94
11033.6	45.67	56.28	10873.5	531.3	467.2	706.1	3.00	3.00	0.14	1.90

Section 2: DT5 CH Tang Part 2 Hold

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Bld d/100ft	Turn d/100ft	TFO deg
11100.0	45.67	56.28	10919.9	557.7	506.7	752.6	0.00	0.00	0.00	0.00
11200.0	45.67	56.28	10989.8	597.4	566.2	822.8	0.00	0.00	0.00	0.00
11300.0	45.67	56.28	11059.7	637.1	625.7	892.9	0.00	0.00	0.00	0.00
11357.7	45.67	56.28	11100.0	660.0	660.0	933.4	0.00	0.00	0.00	0.00

Section 3: Straight TVD Part 1 Hold

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS d/100ft	Bld d/100ft	Turn d/100ft	TFO deg
11400.0	45.67	56.28	11129.8	678.8	685.2	963.1	0.00	0.00	0.00	0.00
11500.0	45.67	56.28	11199.5	718.5	744.7	1033.2	0.00	0.00	0.00	0.00
11572.3	45.67	56.28	11250.0	745.2	787.7	1083.9	0.00	0.00	0.00	0.00

Targets

Name	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	Map Unit Northing m	Map Unit Easting m	Latitude Deg Min Sec	Longitude Deg Min Sec
TRG #1 ->Plan hit target	0.00	0.00	11100.0	660.0	660.0				

Annotation

MD ft	TVD ft	
9491.0	9487.3	KOP Br 3.0' / 100' 9491' MD / 9487' TVD / 138' VS
11033.6	10873.5	EOB 11034' MD / 10874' TVD / 706' VS
11357.7	11100.0	TRG #1 11358' MD / 11100' TVD / 933' VS
11572.3	11250.0	PBHL
11572.3	11250.0	PBHL 11572' MD / 11250' TVD / 1084' VS