

Form 3160-4
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

- 1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
 b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
 Other _____

2. Name of Operator
THOMPSON, J. CLEO3. Address
P.O. BOX 12577 ODESSA TX 79768-25773a. Phone No. (Include area code)
(432)550-8887

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface UNIT LETTER A, SEC. 15, T-22-S, R26E, EDDY COUNTY, NM RECEIVED

At top prod. interval reported below

NOV 19 2004

At total depth

14. Date Spudded
12/26/200315. Date T.D. Reached
02/05/200416. Date Completed
☐ D & A ☐ Ready to Prod.5. Lease Serial No.
NMLC-064490

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.
33202

8. Lease Name and Well No.

MESA FEDERAL 1

9. API Well No.

30-015-33141 #C1

10. Field and Pool, or Exploratory

UNDESIGNATED CARLSBAD MOI

11. Sec., T., R., M., on Block and

Survey or Area SEC. 15-T22S-R26E

12. County or Parish

EDDY

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

3220' GL

18. Total Depth: MD
TVD19. Plug Back T.D.: MD 11485
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☒ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BDL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48#		504'		608 SX		SURFACE	
	H-40								
12 1/4	9 5/8	36#		2480'		1360 SX		8842-	
	J55					BLEND			
7 7/8	5 1/2 I80	17#		11774.96'		725 SX "H"		3010	
					7100'	1550 SX "C"			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8	11340	NA						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MORROW (MID)	11342	11384	11342-11384	.4	108	PRODUCING
B) MID MORROW	11230	11257	11230-11257	.4	80	PRODUCING
C) UP MORROW	11095	11117	11095-11117	.4	32	
D) ATOKA	10554	10562	10554-10562	.4	48	

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11342-11384	ACIDIZED W/2000 GALS 7.5% HCl, FRAC W/55,742 GALS 70 Q FOAM & 54,820# SAND
11230-11257	ACIDIZED W/2000 GALS 7.5% HCl, FRAC W/42,242 GALS 70 Q FOAM & 42000# SAND
11095-11117	ACIDIZED W/3000 GALS ISOLOL (ACID & METHANOL MIXTURE)
10554-10562	ACIDIZED W/3000 GALS ISOLOL, FRAC W/43,200 GALS 70 Q FOAM & 31,560# SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/20/04	3/25/04	24	→	0	156	1			ACCEPTED FOR RECORD
Choke Size	Tbg. Press. Plwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
6	800	0	→						

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	4/30/04	24	→						
Choke Size	Tbg. Press. Plwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
	650	0	→	0	462	45			

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ALEXIS C. SWOBODA
PETROLEUM ENGINEER

(See Instructions and spaces for additional data on reverse side)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/30/04	5/18/04	24	→	1	546	12			FLOWING INTERVALS A,B, & C
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
48/64	SI 525	0	→						FLOWING UP 2 7/8" W/PACKER IN HOLE

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCP	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/29/04	7/14/04	24	→	0	193	0			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCP	Water BBL	Gas : Oil Ratio	Well Status	
48/64	SI 500	800	→						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Corred intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Delaware	2423			STRAWN	10,048
Brushy Canyon	3593			ATOKA	10,428
Bone Spring	5050			MORROW LIME	10,674
Bone Spg Snd	6108			MORROW CLASTICS	11,100
Bone Spg Snd	6700			MIDDLE MORROW	11,198
Bone Spg Snd	8234			LOWER MORROW	11,454
Wolfcamp	8678				
Strawn	10048		DST Strawn W/no gas to surface or oil recovery		
Atoka	10428				
Morrow Lime	10674				

32. Additional remarks (include plugging procedure):

PERFORATED, ACIDIZED W/2,000 GALS 7.5% HCl AND FRAC W/45,750 GALS 70 Q BINARY FOAM & 45,020# SAND. THE LOWER MORROW INTERVAL FROM 11,571' -11,604'. PRODUCED WATER AND SET CIBP OVER PERFORATED INTERVAL @ 11,550'.

33. Circle enclosed attachments:

- ☐ 1. Electrical/Mechanical Logs (1 full set req'd.)
 ☐ 2. Geological Report
 ☒ 3. DST Report
 ☐ 4. Directional Survey
☐ 5. Sundry Notice for plugging and cement verification
 ☐ 6. Core Analysis
 ☐ 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) DOUG DIETRICH

Title ENGINEER

Signature



Date 07/21/2004

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MESA FEDERAL #1 DRLG & COMPLETION

Field : Undesignated Carlsbad Morrow

County : Eddy ; NM

Location : 660' FNL & 660' FEL Section 15, T-22-S, R-26-E, Eddy County, NM

Elevation : 3220' GL

KB : 17' (3237')

TD/ Objective : Morrow & Strawn (approx 11,600')

Casing : (1) 13 3/8, J-55, 48#, ST&C @ 500' +/- (circ. Cement)
 (2) 9 5/8, 36#, @ 2500' +/- (circ. Cement)
 (3) 5 1/2, to TD

Mud : (1) 0' to 500' - Mud Wt. 8.3
 (2) 500' to 2,500' - Mud Wt. 9.4/9.6#, 28-29 Vis, N/C W.L., 10 Ph
 (3) 2,500' to 8,600' - Mud Wt. 8.4/8.5#, 28-29 Vis, N/C W.L., 10 Ph
 (4) 8,600' to 9,600' - Mud Wt. 9.4/9.7#, 28-29 Vis, N/C W.L., 10 Ph
 (5) 9,600' to 11,600' - Mud Wt. 9.4/9.7#, 34-40 Vis, 10-6 W.L., 10 Ph

Tops : (1) Delaware 2,200' (7) Atoka 10,360'
 (2) Bone Spring 4,940' (8) Morrow 10,460'
 (3) 3rd BS Sand 8,080' (9) Morrow
 (4) Wolfcamp 8,550' Clastics 11,000'
 (5) Strawn 9,910' (10) Barnett 11,550'
 (6) Strawn "C" 10,070' TD 11,600'

Mudlogging Samples : 10' samples - 2,500' - TD; 1 set of dry samples

Logging : Schlumberger - Midland, Tx
 (John Bradford)

Office; 432-571-4600

Platform Hals - TD - Int
 (Possible Dipmeter)

DST's : Schlumberger - Hobbs, NM
~~505-393-4107~~

Drilling Report :

API No. : , Pool Code : , Property Code : , OGRID No. : 11181

Spud @ 9:30 AM 12-26-03 Patterson UTI Rig # 3 Tool Pusher : Joe
 Cerantes

12-24-03 Present Operation : Finish rigging up & doing some repair work on rig, Depth :
 40', Hole Made : 0, Dev.: , Formation : , Rot Hrs : 0, R.O.P.: 0 F.P.H., Size Hole : , Bit #
 , Type : , Ser.# : , Manuf : , Jets : , Depth In : 0, Hole Made : , Rot Hrs : , R.O.P.:
 F.P.H. , Rpm's : , W.O.B. : , Pump # , SPM : , Liner Size : Stroke , GPM : , Pump
 Pressure : psi , Mud Wt : , Vis : , Ph :