

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

5. Lease Serial No. **NM121958**
6. If Indian, Allottee or Tribe Name
BLM NMNM 121958

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other SWD

2. Name of Operator
Endeavor Energy Resources, LP

3a. Address
110 N. Marienfeld Street., Suite 200
Midland, Texas 79701

3b. Phone No. (include area code)
(432) 687-1575

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1977 FSL, 653 FWL, UNIT "L", SEC. 25, T25S, R33E, Lea CO. NM.

1980 660

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

8. Well Name and No.
Pan Am Federal "25" SWD # 1

9. API Well No.
30-025-23155

10. Field and Pool or Exploratory Area
Delaware

11. Country or Parish, State
Lea, NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Demonstrate perforated intervals in the Bell Canyon and Cherry Canyon are not productived of oil and gas. Note original well drilled D & A to Bell Canyon then EER deepened. Pan Am Federal 25 SWD # 1 is located one-half mile east of EOG Lomas Rojas 26 State Com # 6 SWD, is 25 feet low sub-sea and is completed in exactly the same porosity intervals. Weatherford senior Permain Basin Log Analyst, Marty Wallace, calculated water saturations for each perforated interval. These were prepared for EER geologist, Wayne Miller. See attached logs and calculations.

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 01 2014

RECEIVED

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Jan South

Title Regulatory Analyst

Signature

Date 08/05/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

ACCEPTED FOR RECORD

Date NOV 21 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

DEC 10 2014

Endeavor Energy Resources, L.P.
Pan Am Federal "25" SWD No. 1
Lea County, New Mexico

Calculate Sw for following depths: (Rw: 0.04 to 0.07) ?

| | | |
|-----|---|------------------------------------|
| (A) | <u>Bell Canyon Ramsey Sand (Sw)</u> | (D) <u>Cherry Canyon Sand (Sw)</u> |
| | 5171 (67%) | 6170 (92%) |
| | 5192 (66%) | 6196 (100%) |
| | | 6224 (85%) |
| (B) | <u>Bell Canyon Olds Sand (Sw)</u> | 6277 (72%) |
| | 5232 (73%) | 6324 (63%) |
| | 5282 (82%) | 6408 (74%) |
| | | 6480 (77%) |
| (C) | <u>Middle & Lower Bell Canyon Sand (Sw)</u> | 6576 (50%) |
| | 5372 (88%) | 6601 (51%) |
| | 5416 (72%) | 6674 (82%) |
| | 5466 (92%) | 6740 (100%) |
| | 5556 (91%) | 6789 (85%) |
| | 5570 (100%) | 6828 (85%) |
| | 5616 (98%) | 6871 (79%) |
| | 5686 (80%) | 6929 (95%) |
| | 5703 (72%) | 6849 (77%) |
| | 5742 (95%) | |
| | 5764 (82%) | |
| | 5812 (89%) | |
| | 5964 (94%) | |
| | 6023 (66%) | |
| | 6120 (94%) | |

Wayne Miller
7-16-2014

Endeavor Energy Resources, L.P.
Pan Am Federal "25" SWD No. 1
Lea County, New Mexico

Elevation: 3339' KB
Total Depth: 7057' (Cherry Canyon Sand)

Electric Log Formation Tops:

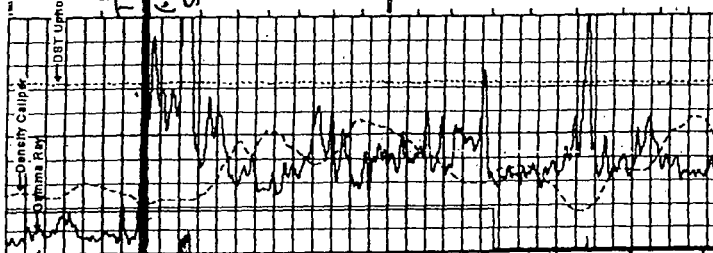
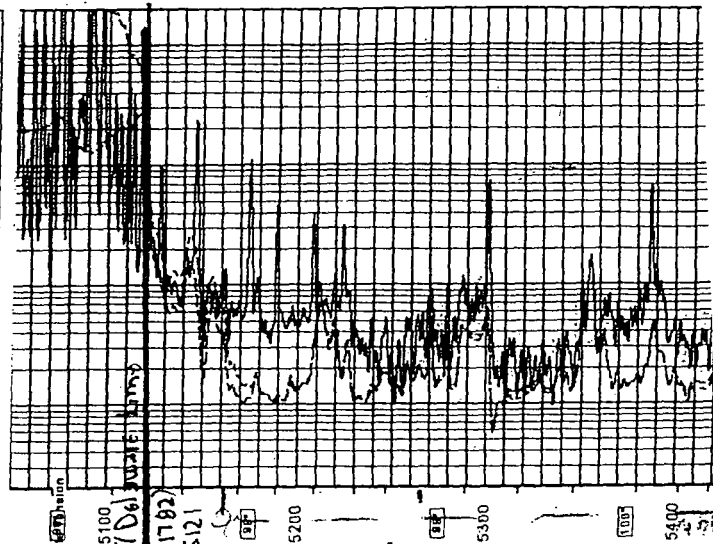
| | |
|------------------------------------|------|
| Base Santa Rosa (Triassic) Sand | 462 |
| Dewey Lake (Upper Permian) Sand | 730 |
| Base Dewey Lake Sand | 967 |
| Rustler Anhydrite | 1048 |
| Salado | 1188 |
| Salado Salt | 1440 |
| Base Salado Salt / Top Castile | 4874 |
| Delaware (Lamar) Lime | 5121 |
| Delaware (Bell Canyon) Ramsey Sand | 5163 |
| Delaware Olds Sand | 5221 |
| Cherry Canyon | 6155 |
| Cherry Canyon Marker (Manzanita) | 6381 |
| Estimated Brushy Canyon | 7725 |

Wayne Miller
7-16-2014



DUAL LATEROLOG
MICRO LATEROLOG
GAMMA RAY

| | | | |
|---|----------------------------|--------------|---------------------------------|
| COMPANY | ENDEAVOR ENERGY | | |
| WELL | PAN AM FEDERAL "25" SWD #1 | | |
| FIELD | | | |
| PROVINCE/COUNTY | LEA | | |
| COUNTRY/STATE | U.S.A / NEW MEXICO | | |
| LOCATION | 1980' FSL & 660' FWL | | |
| PERMIT NUMBER | SEC 25, TWP25S, R-33E, | | |
| SEC 25 | TWP | RGE 33E | Other Services PHOTO DENSITY |
| | | | COMPENSATED NEUTRON |
| API Number | 30-025-40161 | | |
| Permanent Datum GL, Elevation 3327 feet | Elevations: feet | | |
| Log Measured From KB | KB 3339.00 | | |
| Drilling Measured From KB | DF 3338.00 | | |
| | GL 3327.00 | | |
| Date | 22-JUL-2013 | | |
| Run Number | ONE | | |
| Service Order | 3541582 | | |
| Depth Driller | 7057.00 | feet | |
| Depth Logger | 7043.00 | feet | |
| First Reading | 7023.00 | feet | |
| Last Reading | 5000.00 | feet | |
| Casing Driller | 1100.00 | feet | |
| Casing Logger | 1101.00 | feet | |
| Bit Size | 6 1/2 | inches | |
| Hole Fluid Type | BRINE | | |
| Density / Viscosity | 10.40 lb/USg | 31.00 sec/qt | |
| PH / Fluid Loss | 7.10 | | |
| Sample Source | FLOWLINE | | |
| Rm @ Measured Temp | 0.04 @ 80.0 | ohm-m | |
| Rmt @ Measured Temp | 0.03 @ 80.0 | ohm-m | |
| Rmc @ Measured Temp | 0.06 @ 80.0 | ohm-m | |
| Source Rmt / Rmc | CALC | CALC | |
| Rm @ BHT | 0.03 @ 112.0 | ohm-m | |
| Time Since Circulation | 4 HOURS | | |
| Max Recorded Temp | 112.00 | deg F | |
| Equipment / Base | 13242 | 4352 | |
| Recorded By | ARDEEP PATI | | |
| Witnessed By | KELVIN FISHER | | |



COMPENSATED PHOTO DENSITY
COMPENSATED NEUTRON
GAMMA RAY



| | | | |
|---|----------------------------|--------------|----------------------------------|
| COMPANY | ENDEAVOR ENERGY | | |
| WELL | PAN AM FEDERAL "25" SWD #1 | | |
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| Measured Temp | 0.03 @ 80.0 | ohm-m | |
| Measured Temp | 0.06 @ 80.0 | ohm-m | |
| mf / Rmc | CALC | CALC | |
| IT | 0.03 @ 112.0 | ohm-m | |
| Time Since Circulation | 4 HOURS | | |
| Recorded Temp | 112.00 | deg F | |
| Equipment / Base | 13242 | 4352 | |
| Recorded By | ARDEEP PATI | | |
| Witnessed By | KELVIN FISHER | | |

