

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

RECEIVED

Form C-101  
June 16, 2008

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAY 26 2010 Submit to appropriate District Office

HOBBSOCD ☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address EOR Operating Company 200 N. Loraine, Suite 1440 Midland, TX 79701		2 OGRID Number 257420	
3 Property Code 13490 306003		3 API Number 30-025-03629	
3 Property Name Crossroads Siluro Dev Ut.		6 Well No. 101	
9 Proposed Pool 1 Crossroads Siluro Mississippian		10 Proposed Pool 2 Crossroads Siluro Devonian	

7 Surface Location

UL or lot no. A	Section 34	Township 9S	Range 36E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line East	County Lea
--------------------	---------------	----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

Additional Well Information

11 Work Type Code P	12 Well Type Code O	13 Cable/Rotary R	14 Lease Type Code S	15 Ground Level Elevation 4020
16 Multiple N	17 Proposed Depth 11,515	18 Formation Mississippian	19 Contractor Basic Energy	20 Spud Date June 1, 2010

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 5/8"	48	344	400	Surface
12 1/4"	9 5/8"	36	4190	3000	Surface
7 7/8"	5 1/2"	20/23	4050-12 187	700	9800

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Well is T&A'ed. Re-activate well as a possible producer from the Mississippian zone. Devonian perms @ 12,126'-12,150' are isolated with a 5 1/2" CIBP set @ 12,050. Conduct pre-MIT on csg. Run cased hole logs. Evaluate Mississippian zone. Perf @ 11,515' +/- Stimulate new perms. Conduct production test on Mississippian zone.

Standard 3000 psi manual BOP will be used.

Permit Expires 2 Years From Approval  
Date Unless Drilling Underway  
Plugback

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: L.A. Spittler, Jr,

Title: Sr Well Operations Supervisor

E-mail Address: lspittler@enhancedoilres.com

Date: 5/25/10

Phone: 432-688-0303

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date:

MAY 26 2010

Expiration Date:

Conditions of Approval Attached ☐