

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

Form C-101
June 16, 2008

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

Submit to appropriate District Office

☐ 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. Lorraine, Suite 1440 Midland, TX 79701					² OGRID Number 257420				
					³ API Number 30-025-24143				
³ Property Code 2440 306003			⁵ Property Name Crossroads Siluro Dev Ut.				⁶ Well No. 106		
⁹ Proposed Pool 1 Crossroads Mississippian Oil					¹⁰ Proposed Pool 2 Crossroads Mississippian Oil				
⁷ Surface Location									
UL or lot no. H	Section 34	Township 9S	Range 36E	Lot Idn	Feet from the 1980	North/South line North	Feet from the 1980	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 P		¹⁵ Ground Level Elevation 4019	
16 Multiple N		17 Proposed Depth 11,580-11,852		18 Formation Mississippian		19 Contractor Basic Energy		20 Spud Date 11-11-2010	

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 1/2"	11 3/4"	42	350	250	Surface
11"	8 5/8"	32	5000	1220	Surface
7 7/8"	5 1/2"	20/23	4837-12,175	700	6000

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.


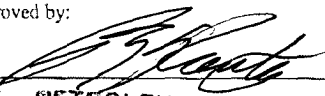
Well is currently completed in the Devonian.

Re-complete well as a possible producer from the Mississippian oil zone.

EOR request permission to re-complete well. Isolate Devonian perforations with a CIBP and re-perforate at 11,580'-11,600', 11,690'-11,706' & 11,828'-11,852' w/4JSPF. Conduct production test on Mississippian oil zone.

Standard 3000 psi manual BOP will be used.

**Permit Expires 2 Years From Approval
Date Unless Being Underway
Plugback**

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: 		Approved by: 	
Printed name: L.A. Spittler, Jr.		Title: PETROLEUM ENGINEER	
Title: Sr Well Operations Supervisor		Approval Date: NOV 10 2010	
E-mail Address: lspittler@enhancedoilres.com		Expiration Date:	
Date: 10/21/10	Phone: 432-687-0303	Conditions of Approval Attached <input type="checkbox"/>	