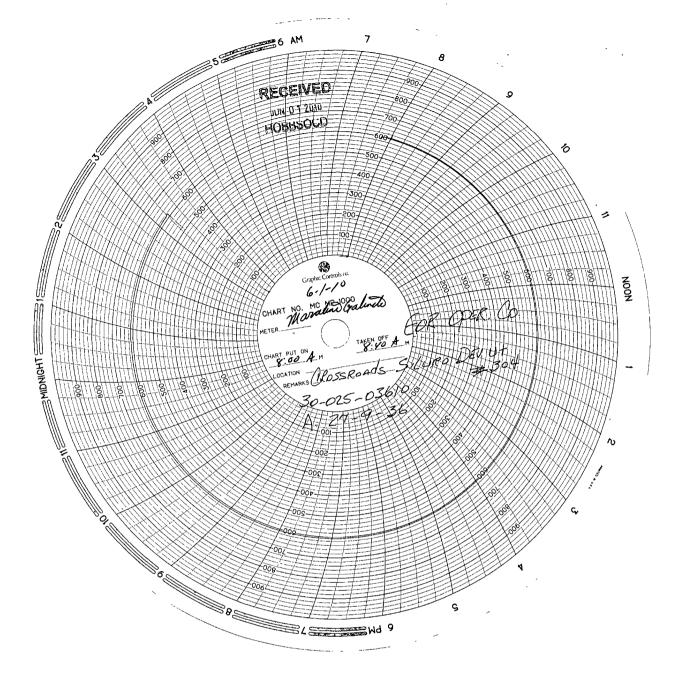
Submit 3 Copies To Appropriate District Office State of New M		Form C 103		
<u>District I</u> Energy, Minerals and Nat 1625 N. French Dr., Hobbs, NM 88240	ural Resources	WELL API NO. /		
District II 1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVATIO	N DIVISION	30-025-03610		
District III 1000 Rio Brazos Rd., Aztec, NM 87410 1220 South St. Fra		5. Indicate Type of Lease STATE FEE X		
District IV 1220 S. St. Francis Dr., Santa Fe, NM	37505	6. State Oil & Gas Lease No.		
87505		257420		
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A		7. Lease Name or Unit Agreement Name CROSSROADS SILURO DEV Ut		
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		8. Well Number		
1. Type of Well: Oil Well Gas Well Other INJECTION 2. Name of Operator	N 🔯	304		
EOR OPERATING COMPANY		9. OGRID Number 257420		
3. Address of Operator ONE RIVERWAY, SUITE 610, HOUSTON, TX 77056		10. Pool name or Wildcat		
4. Well Location		CROSSROADS SILURO DEVONIAI		
Unit Letter A : 660 feet from the NORTH	line and 6	660feet from the EAST line /		
Section 27 Township 9S R	ange 36E	NMPM County LEA		
11. Elevation (Show whether DF 4027' GR	R, RKB, RT, GR, etc.)			
Pit or Below-grade Tank Application or Closure				
	water well Dista	ance from nearest surface water		
Pit Liner Thickness: mil Below-Grade Tank: Volume		estruction Material		
12. Check Appropriate Box to Indicate N	lature of Notice, I	Report or Other Data		
NOTICE OF INTENTION TO:		SEQUENT REPORT OF:		
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRIL				
PULL OR ALTER CASING MULTIPLE COMPL	CASING/CEMENT			
OTHER	OTHER: MIT	₩.		
13. Describe proposed or completed operations. (Clearly state all		give pertinent dates, including estimated date		
of starting any proposed work). SEE RULE 1103. For Multip or recompletion. MIT failed. Start date: 4/12/10. Completion date 5/28/10. MIT date 1.) See work over attachment.	le Completions: Atta	ich wellbore diagram of proposed component		
MIT failed. Start date: 4/12/10. Completion date 5/28/10. MIT date	6/1/10	CE 2010		
1) 6	0,1,10.	Par 101 CC		
1.) See work over attachment.		JUN ABSO		
(5 ½", 17 & 20# CSG @ 12,118', 9-5/8", 36 & 40# CSG @ 4	668'. Perfs 12.089'-1	2.095		
2 7/8", EUE, 6.5# IPC (TK99) tbg w/ 2 7/8" x 5 1/2" Arrowset	X nickel plated pkr	w/ 2 7/8" on/off tool set @ 12,020')		
I hereby certify that the information above is true and complete to the be	est of my knowledge	and belief. I further certify that any pit or b low-		
grade tank has been/will be constructed or closed according to NMOCD guidelines	4, a general permit 🔲 or	· an (attached) alternative OCD-approved plan 🔲.		
SIGNATURE Andy Challe TITLE O	perations Manager	DATE6/1/10		
Type or print name: Andy Chalker. E-mail address: andy.chalker@	att.net Telephone	No.:432-687-0303		
For State Use Only				
APPROVED BY: TITLE	STAFF,	MAZ DATE 6-1-10		
Conditions of Approval (if any):		- Villa - Vill		

Wildcat Measurement Service, Inc.

416 East Main Street P.O. Box 1836 Artesia, New Mexico 88211 Office: (575)746-3481 Toll Free: 1-888-421-9453

Calibration Certificate

Company Nar				·	
Recorder Type		`		 -	
Recorder Seri	al: <u># 265-50140</u>)		•	
Recorder Pres	ssure Range: 0	-1000#	Accuracy	+/-: <u>0.2%</u> P	SIG
	Range:				
•	_				
Increasing Pre		C====0/	Decreasing Pre		E-=
Applied Pressure	Indicated Pressure	Error%	Applied Pressure	Indicated Pressure	Error%
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100#					
300#			400#		
500#			200#		(
700#		0	0.0#	0.0#	C
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Form C-103 SUBSEQUENT REPORT CROSSROADS SILURO DEV Ut well # 304 API #30-025-03610

Example 225-45

Start date: 4/12/10. MIRU.

4/13/10: Unable to release pkr. Scheduled wire line for free point survey.

4/14/10: Free point tbg @ 10,748. LD 4750' of 2 7/8" Duoline tbg.

4/15/10: LD remaining 2 7/8" Duoline tbg. PU overshot, 4' sub, bumper sub, jars & DC's of 2 7/8" work string. Start to TIH.

4/16/10: TIH to 10,748'. Latched onto top of 2 7/8" Duoline tbg. Start to TOH.

4/17/10: TOH w/ overshot & no tbg. Overshot was packed full of Duoline tbg orings. Start to TIH w/ overshot.

4/18/10: Finished TIH w/ overshot. Latched onto 2 7/8" Duoline tbg. Jarred free 5 ½" pkr. TOH w/ remaining 2 7/8" Duoline tbg, 5 ½" Baker loc-set pkr w/ 2 7/8" on/off tool. Left 27' of 2 3/8" tail pipe tbg in hole.

4/19/10: TIH w/ 4 5/8" mill & 4 DC's. TIH tagged @ 11,300'. Broke circulation. SIWFN.

4/20/10: Tagged @ 11,370'. Pushed thru salt ring. TIH down to 12,101'. Unable to mill up the 27' of jt of 2 3/8" tbg. Circulated clean. Start to TOH w/ mill.

4/21/10: Finished TOH w/ mill. TIH w/ overshot. Unable to latch onto 2 3/8" tbg fish. Start to TOH w/ overshot.

4/22/10: Finished TOH w/ overshot. RU Schlumberger cased hole loggers. Ran RTS-GR & CBL-CCL logs from 12,096' to 4050'. RD Schlumberger.

4/23/10: TIH w/ 5 ½" pkr. Isolated @ top of 5 ½" csg stub @ 4566'. TOH w/ 5 ½" pkr.

4/24/10: RU Gray wireline. Set 5 ½" CIBP@ 4700'. RD Gray wireline. TIH w/ 9 5/8" pkr. Pressured test 9 5/8" csg to 500 psi ok.

4/25/10: TOH w/ 9 5/8" pkr. TIH w/ 9 5/8" tension set pkr. Test 9 5/8" csg from 1800' to surface to 500 psi ok.

4/27/10: TOH w/ 9 5/8" tension set pkr.

4/28/10: TIH w/ 9 5/8" pkr. Unable to set pkr. TOH w/ 9 5/8" pkr.

4/29/10: TIH w/ 9 5/8" model "R" pkr & 400' of 2 7/8" tail pipe. Set pkr @ 3936. Tail pipe 221' above top of 5 ½" csg stub.

4/30/10: Circulated csg annulus w/ fresh water. RU HES. Mixed & pumped 80 sks of Premium Plus Class C 14 ppg, 1.67 yield, 8.46 water (24 bbls) w/ 10 lbm Micro Matrix cement & 0.7% CFR-3, w/ deformer. Pumped 24 bbls of Premium Plus cmt @ 2 bpm, 70 psi. Pumped 24.5 bbls of fresh water @ 2 bpm, 56 psi. Reversed circulated well. Pumped 40 bbls of fresh water. Circulated back 14 bbls of cement. LD 4 jts. Re-set pkr. 1st stage-Sqz to 1000 psi, dropped to 500 psi in 10 min. 2nd stage-Sqz to 1000 psi, held. SI well w/ 1000 psi on sqz.

5/1/10: SI waiting on cmt sqz to set up.

5/2/10: SI waiting on cmt sqz to set up.

5/3/10: Released 9 5/8" pkr. TOH. TiH w/ 8 5/8" bit. Tag top of cmt @ 4475'. (91' above 5 $\frac{1}{2}$ " csg stub). D/O cmt sqz to top of 5 $\frac{1}{2}$ " csg stub. Circulated clean. Conducted MIT on 9 5/8" csg to 500 psi ok. TOH 8 5/8" bit.

5/4/10: LD 8 5/8" bit. TIH w/ 4 5/8" bit tag cmt @ 4565'. D/O cmt sqz to 5 ½" CIBP set @ 4700'. Conducted MIT to 500 psi for 30 min ok. TOH w/ 4 5/8" bit.

5/5/10: TIH w/ new 4 5/8" bit. D/O 5 ½" CIBP @ 4700'. TOH w/ 4 5/8" bit. TIH w/ 5 ½" pkr. Set pkr @ 11,300'. Conducted MIT to 500 psi for 30 min ok. Released pkr. TIH w/ pkr to 12,000'. Set pkr. Unable to establish injection rate into perforations 11,400'-11,450' for cmt sqz.

Form C-103 SUBSEQUENT REPORT CROSSROADS SILURO DEV Ut well # 304 API #30-025-03610

PERSONAL PROPERTY.

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5/7/10: Released pkr. Set pkr @ 11,300'. RU swab rig. Swab back black compound. Sent compound to Champion Chemical lab for a break down analysis,

5/7/10: Released pkr. Circulated/spotted 55 gals of Champion X-203 mixed in 20 bbls of fresh water.

Followed by 15 gals of DT-78 solvent. Set pkr and pressured up to 500 psi over night.

5/8/10: Well on a vacuum. Released pkr. Circulated/spotted mixed 55 gals of Champion X-203 demulsifier w/ 50 bbls of condensate. Followed by 15 bbls of fresh water. Set 5 ½" pkr. Pressured up on open perforations to 1200 psi over night.

5/9/10: Released pkr. Start to TOH w/ pkr.

5/10/10: Finished TOH w/ pkr. RU Gray wireline Set 5 ½" CIBP @ 11,522'. RD Gary wireline. TIH w/ 5 1/2" pkr. Circulated hole clean w/ fresh water. Set pkr.

5/11/10: SI. Stand by on HES cmt.

5/12/10: SI. Stand by on HES cmt.

5/13/10: RU HES. Mixed & pumped 35 sks of Premium Plus Class C 14 ppg, 1.68 yield, 8.48 water w/ 10 lbm Micro Matrix cement & 0.7% CFR-3, w/ deformer. Perforation sqz 11,400'-11,413' 7 11,442'-

11,450'. Pumped 10.5 bbls of Premium Plus cmt @ 3 bpm, 500 psi. Reversed circulated well. Pumped 85 bbls of fresh water. LD 4 jts. Re-set pkr. 1st stage-Sqz to 1000 psi, dropped to 750 psi in 10 min. 2nd stage-Sqz to 1000 psi, dropped to 800 psi in 10 min. 3RD stage-Sqz to 1000 psi, dropped to 850 psi in 10 min. 4TH stage-Sqz to 1000 psi, dropped to 850 psi in 10 min.

4TH stage-Sqz to 1000 psi, dropped to 950 psi in 10 min. SI well w/ 1000 psi on sqz. RD HES.

5/15/10: SI waiting on cmt sqz to set up.

5/16/10: Released pkr. TOH w/ pkr. TIH w/ 4 5/8" bit. Tag to of cmt sqz @ 11,211'. D/O cmt sqz to 11,306'.

5/17/10: D/O cmt sqz from 11,306' to 11,522' (CIBP). Conducted MIT to 500 psi for 30 min ok. D/O $5\,\%$ " CIBP @ 11,522'. TIH tag fill @ 12,021'.

5/18/10: D/O fill/CIBP remains to 12,100'. Circulate clean. Start to TOH w/ bit.

5/19/10: Finish TOH w/ bit. RU Gray wireline. Perforated 5 $\frac{1}{2}$ " csg w/4JSPF from 12,089'-12,095'. RD Gray wireline. TIH w/ 5 $\frac{1}{2}$ " pkr. Set & load pkr @ 12,000'. RU Crain acid. Spotted acid across perfs w/ no rate.

5/20/10: Acidize perfs 12,089'-12,095' w/ 6000 gals of 15% LST acid. Flushed tbg. RD Crain Acid. Max press 2535 psi. Min press vacuum. Avg inj rate 3.5 bpm. ISDP-1260 psi. 15 min SI-0 psi.

5/21/10: Conducted injection test. 300 bpd @ 300 psi.

5/22/10: Acidize perfs 12,089'-12,095' w/ 4000 gals of 20% LST acid & 150 frac balls in 4 ball stages. Flushed tbg. RD Crain Acid. Max press 2400 psi. Min press vacuum. Avg inj rate 4 bpm. ISDP-vacuum. 15 vacuum SI-0 psi.

5/23/10: Conducted injection test. 4 bpm on a vacuum.

5/24/10: Released pkr. TOH LD workstring.

5/25/10: Tih w/ a new 2 7/8" x 5 ½" Big bore Arrowset 1X nickel plated pkr w/ stainless steel 2.31" "F" profile nipple W/ 2 7/8' on/off tool on 381 jts of 2 7/8", J-55, EUE, IPC (TK-99) coated tbg. Set pkr @ 12,020'. RU Gray wireline. Set 2.31" "F" plug on pkr. RD Gray wireline.

Form C-103 SUBSEQUENT REPORT CROSSROADS SILURO DEV Ut well # 304 API #30-025-03610

GENERAL ENGINE.

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5/26/10: Jay off pkr. Circulated corrosion pkr fluid to surface. Jay onto pkr. RU Gray wireline. Pulled 2.31" "F" plug. RD Gray wireline. ND BOP's. NU wellhead.

5/27/10: Conducted pre-MIT to 500 psi ok. RD released frac tank reverse unit.

5/28/10: RD released rig. Scheduled MIT w/ OCD in Hobbs, NM.

6/1/10: Conducted MIT for 30 minutes and delivered chart to OCD office in Hobbs, NM as requested by OCD.



Current Well bore Diagram

Crossroads Situro Devonian Unit Well #304 30-025-03610 Unit Letter A. 660' FNL & 660' FEL SEC. 27, T9S R36E Lea CO., NM Spud date 12/19/51

13 3/8", 40#, csg @ 259' 300 sxs of cmt. Cir to surface, Hole size 17"

9 5/8", 36# & 40#, csg @ 4668' 2400 sxs of cmt. Cir to surface Hole size 12"

5 1/2" csg cut @ 4566'. Bowen lead seal csg patch hung in 9 5/8" @ 4544'. 7 1/16" OD on 5 1/2" csg stub.

Crnt sqz csg stub leak @ 4566 May 2010.

Perforations: (1JSPF) 11,400'-11,413' Sqz May 2010. 11,442'-11,450' Sqz May 2010. 12,085-12,100' Sqz Apr 1974.

Perforations: (5JSPF) 12,089'-12095' 1JSPF Apr 1974 12,089'-12095' Re-perf w/4JSPF May 2020.

5 1/2", 17# & 20#, csg @ 12,118'. 1178 sxs of cmt. Est TOC (TS) 6320' Hole size 7 7/8"

PBTD 12,101' TD 12,130' ANGERGANIA ANGELOGIA (ANGELGANIA ANGELGANIA (ANGELGANIA ANGELGANIA (ANGELGANIA ANGELGANIA (ANGELGANIA ANGELGANIA (ANGELGANIA ANGELGANIA (ANGELGANIA (A ELEV: 4027' GR

Top of pay: Penn-9275' Miss-11,520' Den-12,070'

2 7/8", J-55 EUE, 6.5#, IPC (TK-99) tbg w/ 2 7/8" x 5 1/2" Attowset 1X Nickel plated full bore set pkr @ 12,020' w/ 2 7/8" on/off tool.

28' of 2 3/8" EUE tog left in hole.

Sqz O.H.-12,118'-12,132'.

Well Name & Number:	Well #304	Lease:	Crossroads Siluro Devonian Unit	
County or Parish:	Lea	State/Prov.	NM	Country: USA
Prepared By:	L.A. Spittler, Jr.	Last Revi	son Date:	6/1/2010