

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 Fax:(575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Form C-103 August 1, 2011 Permit 185063 WELL API NUMBER 30-025-41435 5. Indicate Type of Lease P 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name SOUTHLAND ROYALTY A																																																																
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)																																																																		
1. Type of Well: O		8. Well Number 002H																																																																
2. Name of Operator APACHE CORP		9. OGRID Number 873																																																																
3. Address of Operator 303 Veterans Airpark Lane, Suite 3000, Midland, TX 79705		10. Pool name or Wildcat																																																																
4. Well Location Unit Letter <u>H</u> : <u>2310</u> feet from the <u>N</u> line and feet <u>640</u> from the <u>E</u> line Section <u>9</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3465 GR																																																																		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																																																																		
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK <input type="checkbox"/></td> <td>PLUG AND ABANDON <input type="checkbox"/></td> <td>REMEDIAL WORK <input type="checkbox"/></td> <td>ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>TEMPORARILY ABANDON <input type="checkbox"/></td> <td>CHANGE OF PLANS <input type="checkbox"/></td> <td>COMMENCE DRILLING OPNS. <input type="checkbox"/></td> <td>PLUG AND ABANDON <input type="checkbox"/></td> </tr> <tr> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>MULTIPLE COMPL <input type="checkbox"/></td> <td>CASING/CEMENT JOB <input type="checkbox"/></td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/></td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTER CASING <input type="checkbox"/>	TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE OF PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>		Other: _____		Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/>																																													
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. See Attached 11/28/2013 Spudded well.																																																																		
Casing and Cement Program <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>String</th> <th>Fluid Type</th> <th>Hole Size</th> <th>Csg Size</th> <th>Weight lb/ft</th> <th>Grade</th> <th>Est TOC</th> <th>Dpth Set</th> <th>Sacks</th> <th>Yield</th> <th>Class</th> <th>1" Dpth</th> <th>Pres Held</th> <th>Pres Drop</th> <th>Open Hole</th> </tr> </thead> <tbody> <tr> <td>11/29/13</td> <td>Surf</td> <td></td> <td>17.5</td> <td>13.375</td> <td>54.5</td> <td>J55</td> <td></td> <td>1304</td> <td>1085</td> <td>1.75</td> <td>C</td> <td></td> <td>2000</td> <td></td> <td></td> </tr> <tr> <td>12/08/13</td> <td>Int1</td> <td></td> <td>11</td> <td>8.625</td> <td>32</td> <td>HCK55</td> <td></td> <td>6204</td> <td>1225</td> <td>2.79</td> <td>C</td> <td></td> <td>2000</td> <td></td> <td></td> </tr> <tr> <td>12/21/13</td> <td>Prod</td> <td></td> <td>7.875</td> <td>5.5</td> <td>20</td> <td>P110</td> <td></td> <td>11229</td> <td>1300</td> <td>2</td> <td>C</td> <td></td> <td>2500</td> <td></td> <td></td> </tr> </tbody> </table>			Date	String	Fluid Type	Hole Size	Csg Size	Weight lb/ft	Grade	Est TOC	Dpth Set	Sacks	Yield	Class	1" Dpth	Pres Held	Pres Drop	Open Hole	11/29/13	Surf		17.5	13.375	54.5	J55		1304	1085	1.75	C		2000			12/08/13	Int1		11	8.625	32	HCK55		6204	1225	2.79	C		2000			12/21/13	Prod		7.875	5.5	20	P110		11229	1300	2	C		2500		
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I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .																																																																		
SIGNATURE <u>Electronically Signed</u>		TITLE _____	DATE <u>4/22/2014</u>																																																															
Type or print name <u>Bobby Smith</u>		E-mail address <u>bobby.smith@apachecorp.com</u>	Telephone No. <u>432-818-1020</u>																																																															
For State Use Only: APPROVED BY: <u>Paul Kautz</u> TITLE <u>Geologist</u> DATE <u>4/23/2014 7:57:33 AM</u>																																																																		

SPUD 11/28/2013

11/28/2013 DRLG F/ 53' TO 1158' LAST SURVEY @ 1015' .80 DEG

11/29/2013 DRLG F/ 1158' TO 1308' LAST SURVEY @ 1248 1.8 DEG; CIRC HIGH VIS SWEEPS; TOH TO RUN SURFACE CSG;

*LEWIS CSG CREW; RUN 32 JTS; STRING SIZE 13.375"; HOLE SIZE 17.5; WT 54.50#; TYPE J-55 BTC W/FLOAT COLLAR AND GUIDE SHOE; FC @ 1264'; CSG SET @ 1304'; RAN 8 CENTRALIZERS NOTIFIED NMOC D VIA VOICE MAIL ON RUNNING SURFACE CSG & CMNT @ 04:00 HRS CST 11/29/2013

*BAKER CEMENTING:PUMPED 20 BBLS F/W;LEAD W/ 740 SKS "C"; MIXED @ 13.5 PPG; YIELD @ 1.75 CF/SK; 8230BBLS SLY; TAIL W/ 345 SKS CLASS "C" MIX @ 14.8 PPG; YIELD @ 1.34 CF/SK; 82 BBLS SLY; DISPLACE W/ 195 BBLS F/W; BUMP @ 22:34 HR 11/29/2013 W/ 1030 PSI; PRIOR 560 PSI @ 2.8 BPM. CIR 30 BBLS/96 SKS CMT TO SURFACE; FLOAT HELD OK

NOTIFIED NMOC D VIA VOICE MAIL ON RUNNING SURFACE CSG & CMNT @ 04:00 HRS CST 11/29/2013

WOC

12/7/2013 DRGL F/5759' - 6204' TD INTERMIDATE; TOH F/CSG

12/8/2013 *RU/ LEWIS CSG; CREW RUN 52 JTS; STRING SIZE 8 5/8"; HOLE SIZE 11"; WT 32#; TYPE HCK-55 ST&C 94 8 5/8" 32# J-55 ST&C CSG; CSG SHOE @ 6204' FC @ 6163' RAN 30 CENTRALIZERS

NOTIFIED NMOC D VIA VOICE MAIL ON RUNNING INTERMEDITE CSG & CMNT @ 21:00 HRS CST 12/8/2013

CIRC HOLE

*RU/ BJ SERVICES; CMT W/ 20 BBL WATER SPACER; LEAD 825 SACKS; 403 BBL SLURRY; CLASS "C" 35/65 POZ; WT. 11.2; YIELD 2.79; TAIL 400 SACKS 95 BBL SLURRY ;CLASS C ; WT 14.8 YIELD 1.32, DISPLACE WITH 380 BBL WATER ; LIFT 1000 PSI PLUG DOWN @ 1730 12/8/13

12/9/2013 TEST BOP; TEST BLINDS,CHOKE, PIPES RAMS 2000 PSI HIGH, 250 PSI LOW, ANNULAR 1500 PSI HIGH 250 LOW; LOAD PIPE RACKS & STRAP;TIH W/ CURVE BHA; SMITH F37HY 7 7/8 BIT, MOTOR .35 RPG 1.83 BEND; MWD TOOL CARRIER, & DP; STAGE IN DP; DRLG F/ 6204'-6354';

START CURVE

12/18/2013 DRLG F/ 11105' - 11232', SURVEY @ 11175' 90.8 INC, 5.1 AZM, 6926' TVD; CIRC SWEEP; TD @ 11232' ON 12/18/13 @ 03:00 HRS;

12/19/2013 TOH TO RUN SHUTTLE LOGS

12/20/2013 TIH W/ SHUTTLE LOGS; DROP DART TO DEPLOY WEATERFORD LOGGING TOOLS; TOH W/ WEATHERFORD SHUTTLE LOG 1, RUN LOGGING W/ SONIC; MSS; CMI; SGS LOG F/ 11217'

12/21/2013 *RU LEWIS CSG CREW; RUN 268 JTS; HOLE SIZE 7.875; STRING SIZE 5.5; WT 20#; TYPE P-110 BTC CSG; FLOAT @ 11184'; FRAC PORT @ 11139'; MARKER JT @ 9336'; MARKER JT @ 7556SET @ 11229' RAN 123 TURBOLATORS & 38 CENTRALIZERS; CIRC

* CMNT W/ BJ SERVICES PUMP 600 SX LEAD @ 12.6 PPG, YELD 2.00; 700 SX TAIL @ 14.2 PPG; YELD 1.31; DISPLACEMENT 248 BBLS DIDNT BUMP PLUG PUMPED 5 BBLS OVER DISPLACEMENT TOTAL DISPLACEMENT 253BBLS 12/22/13, FLOAT HELD, CIRC 73 SX TO ROLL OFF NOTIFIED NMOCD VIA VOICE MAIL ON CSG & CMT JOB 12/21/13 06:00 HRS CST

RIG RELEASED @ 08:00 HRS CST 12/22/2013

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Comments
Permit 185063

DRILLING COMMENTS

Operator: APACHE CORP 303 Veterans Airpark Lane Midland, TX 79705	OGRID:	873
	Permit Number:	185063
	Permit Type:	Drilling

Comments

Created By	Comment	Comment Date
There are no Comments for this Permit		