Form 3160-5 (April 2004)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

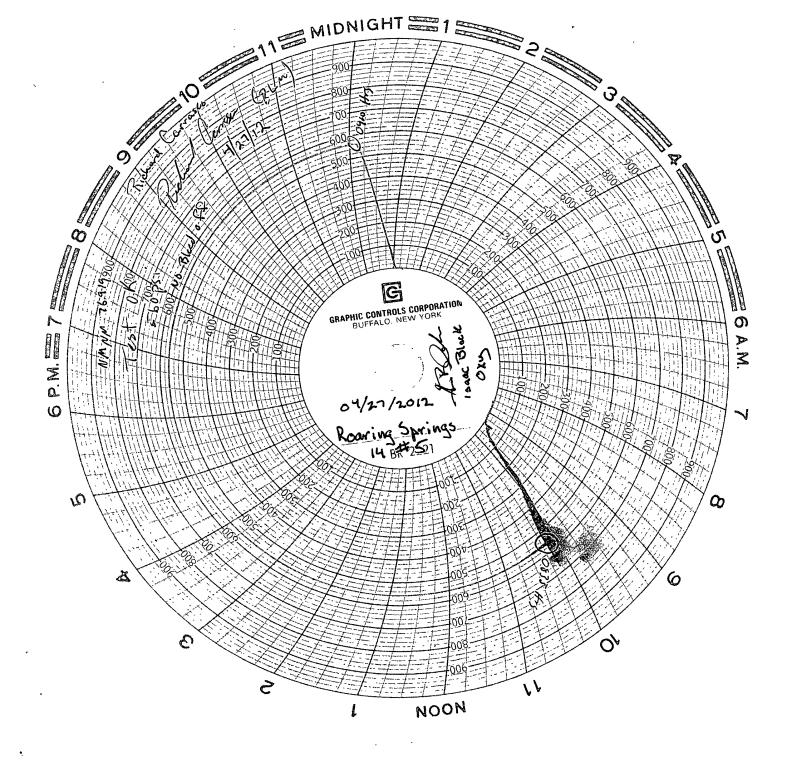
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5.	Lea	se Se	rial Ì	No.

SUNDRY NOTICES AND REPORTS ON WELLS

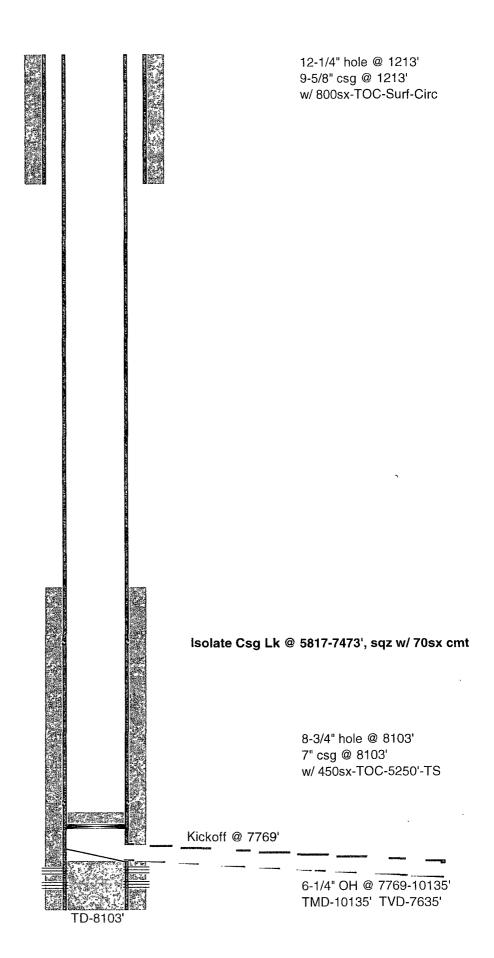
	is form for proposals to ell. Use Form 3160-3 (A				6. If India	ın, Allotto	ee or Tribe Name	
SUBMIT IN TRIPLICATE- Other instructions on reverse side.						7. If Unit or CA/Agreement, Name and/or No		
1. Type of Well ☐ ☐ Gas Well ☐ Other				8. Well Name			4452	
2. Name of Operator OXY USA In		16696	Roaving Springs 14 Federal #5					
			nclude area	30-015 - 2635 7 10. Field and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)					_		
- 1980 FNL 660 FEI H · 2275 FNL 2451 FW	-( 1215 0	11.			Lagran Dread, S. W. Steven (1450) 11. County or Parish, State  Eddy NM			
12. CHECK AI	PROPRIATE BOX(ES) TO	INDICATE NA	TURE C	OF NOTICE,	REPORT, O	R OTH	ER DATA .	
TYPE OF SUBMISSION			TYPE O	F ACTION			1 P. 1	
Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injection	Deepen Fracture Treat New Construct Plug and Abar Plug Back		Production (S Reclamation Recomplete Temporarily A Water Disposa	bandon	<b>⊠</b> w	ater Shut-Off  fell Integrity  ther	
for possible future	respectfully requests to recompletion with the ling on the success of t	coil tubing-	acid sim nis well	ulation. Th would be a	e pilot pro future car	ject is ndidate	to begin in	
			, A	c <b>ce</b> pted:1 NMO		1	RECEIVED	
12		See Attached			H6/12		JUN <b>2</b> : <b>6</b> 2012	
Aftor 12 -1 - 12	the well must be o	nline					NMOCD ARTES!	
plans to P & A	must be submitted.		AS P	er COA	's on	NO.	[	
14. I hereby certify that the fore Name (Printed/Typed)	going is true and correct		<b></b>					
David Stewart		Ti	Title Regulatory Advisor					
Signature Signature	Tell 1	D	ate	6luli3	2			
	THIS SPACE FOR I	EDERAL O	R STA	TE OFFICE	USE			
ACCEPTED ISI	JD Whitlock Jr		Title	LPET	-	Date	9/23/12	
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights in						, -,/, ,	
Title 18 U.S.C. Section 1001 and Title States any false, fictitious or flaudul	43 U.S.C. Section 1212, make it a ent statements or representations	crime for any per as to any matter wi	son knowin thin its juri	gly and willfully	to make to a	ny departi	nent or agency of the United	

- Date Remarks
- 1/30/12 MIRU, SD, NO POWER TO MOVE ROTO FLEX PUMPING UNIT OFF WELL.
- 1/31/12 WAIT ON LUFKIN TO REMOVE ROTO FLEX PUMPING UNIT.
- 2/1/12 MIRU PU, PICK UP ON RODS, DID NOT FELL UNSEAT ON PUMP, POOH W/ 144 1", 121 7/8", 55 3/4", 4 KBARS, AND 36', PLIMP, SION
- 2/2/12 PUMP 100 BBLS 10 # BRINE DOWN CSG , 45 BBL DOWN TBG , ND WH, NU BOP , REL TAC, POOH W/ PRODUCTION TUBING , RU WL. RIH & SET 7" CIBP @ 7500' , RD WL, SION
- 2/3/12 RIH W/ TUBING TAG CIBP @ 7500', CIRC W/ 320 BBLS TREATED BRINE, ND BOP, NU WH, LOADED CSG RAN PRE MIT TEST FOR 30 MIN, TEST GOOD, RD PU & EQUIP SD
- 2/22/12 RU PRECISION, OPEN CSG, CSG ON VAC, RIH W/1 1/4" BAR & TAG @ 7471', POOH, RD
- 2/27/12 MIRU PU, REV UT W/ REQ EQUIP. FOUND CSG & TBG ON A VAC. ND 7 1/16" 3K WH FLANGE. TEST & NU 7 1/16" HYDRAULIC BOP. TALLY & POH W/ 229 JTS OF 2 7/8" L-80 TBG. PU & RIH W/ 7" ARROW SET PKR FOLLOWED BY 229 JTS OF 2 7/8" L-80 TBG. PICK UP 1 JT TAG CIPB @ 7,473' W/ A TOTAL OF 230 JTS OF 2 7/8" L-80 TBG IN THE HOLE LAY DOWN 1 JT SET PKR @ 7,441' OR 32' ABOVE CIBP 7,473' W/ 229 JTS IN THE HOLE. TEST CIBP TO 500 PSI W/ GOOD TEST BLEED OFF PRES TO PIT. LOAD CSG W/ 20 BBLS OF FRESH WATER THEN ATTEMPT TO PRESSURE TEST CSG TO 500 PSI W/ NO LUCK WOULD LEAK OFF 500 PSI IN 2 MIN, UNSET PKR THEN START TO ISOLATE CSG LEAK 500' AT A TIME PRESSURE TEST TO 500 PSI ISOLATE CSG LEAK FROM 7,473' TO 5,817' W/ GOOD TESTS, SD
- 2/28/12 0 PSI-CSG,TBG. CONTINUE TO ISLOATE CSG LEAK PRESSURE TESTING CSG TO 500 PSI FOUND TOP OF HOLE @ 4,940' W/ 152 JTS IN THE HOLE AND BOTTOM OF THE HOLE @ 4,972' W/ 153 JTS IN THE HOLE. FOUND 40 PSI ON 9 5/8" SURFACE CSG BLEED OFF TO PIT. ATTEMPT TO GET INJECTION RATE BUT WE PUMP 1/2 BBL AND PRESSURE WOULD GO UP TO 1,500 PSI AND THEN DROP DOWN TO 0 IN 3 MIN WE DID NOT GET RETURNS OR ANY BLOW OUT OF THE 9-5/8" SURFACE CSG. UNSET PKR LET EQUALIZE
- 2/29/12 0 PSI-CSG, TBG & 9 5/8" SURFACE CSG. POH W/ 153 JTS OF 2-7/8" L-80 TBG LAY DOWN 7" ARROW SET PKR, PU & RIH W/ 5 JTS OF 2-7/8" L-80 TAIL PIPE OR 160', 7" AD-1 PKR FOLLOWED BY 154 JTS OF 2-7/8" L-80 TBG. LEFT END OF TBG @ 5,005' OR 33' BELOW BOTTOM HOLE 4,972'
- 3/1/12 0 PSI-CSG, TGB & 9-5/8" SURFACE CSG. WO CMT TRUCKS
- 3/2/12 0 PSI-CSG, TGB & 9 5/8" SURFACE CSG. WO CMT TRUCKS
- 3/3/12 0 PSI-CSG, TBG & 9 5/8" SURFACE CSG. RU CMT TRUCKS, TEST LINES TO 3000#, SPOT 16sx CL C NEAT CMT W/ END OF TBG @ 5005', POOH W/ 6 JTS 2-7/8" L-80 TBG, REVERSE CIRC 60 BBLS FW TO CLEAN TBG, RECOVERD 4 BBLS CMT. SET PKR @ 4652' W/ 143 JTS IN THE HOLE END OF TBG @ 4810' OR 130' ABOVE TOP HOLE W/ 148 JTS IN THE HOLE. START TO SQZ HOLES, PRESSURE UP TO 500#, BUT STARTED TO CIRC OUT 9-5/8" SURFACE CSG, DECIDED TO PUMP REST OF CMT, SQZ OFF HOLES W/ 35SXS CL C NEAT CMT, PUMPING 1/2 BPM @ 2000# WI RETURNS OUT OF 9-5/8". DID NOT RECOVER CMT OUT OF 9-5/8" SURFACE CSG. SI, TBG PRESSURE 950#, CSG 0#.
- 3/5/12 0 PSI-CSG & 9 5/8" SURFACE CSG, 300# TBG BLEED OFF, UNSEAT AD-1 PKR, LET EQUALIZE. POH W/ 148 JTS OF 2-7/8" L-80 TBG LAY DOWN AD-1 PKR & 5 JTS OF 2-7/8" L-80 TAIL PIPE TBG. MAKE UP & PICK UP 188' OF BHA: 6 1/8" ROCK BIT, BIT SUB, 6 4 1/8" DRILL COLLARS & TOP SUB. RIH W/ 188' OF BHA FOLLOWED BY 140 JTS OF 2-7/8" L-80 TBG. TAG CMT @ 4882' W/ 145 JTS OF 2-7/8" L-80 TBG IN THE HOLE THEN NU 7-1/16" 3K STRIPPER HEAD. RU DRILL LINE & 2.5 POWER SWIVEL. DRILL OUT 85' OF CMT FROM 4882-4967' W/ A TOTAL OF 148 JTS 2-7/8" L-80 TBG IN THE HOLE. CIRC BOTTOMS UP, RD 2.5 POWER SWIVEL. SD
- 3/6/12 0 PSI-CSG, TBG & 9 5/8" SURFACE CSG. ND 7-1/16' STRIPPER HEAD. PRESSURE TEST SQUEEZE HOLES TO 500 PSI W/CHART RECORDER FOR 30 MINS, TWO TIMES W/GOOD TEST. BLEED OFF PRESSURE. POH W/148 JTS OF 2-7/8" L-80 TBG.
  BREAK DOWN & LAY DOWN 188' OF BHA: TOP SUB, 6 4 1/8" DRILL COLLARS, BIT SUB & 6 1/8" BIT IN GOOD CONDITION. RIH
  W/229 JTS OF 2-7/8" L-80 TBG W/END OF TBG 34' ABOVE CIBP 7473'. SD
- 3/7/12 0 PSI- CSG, TBG & 9 5/8" SURF CSG. CIRC 260 BBLS OF PKR FLUID AT 1.5 BPM W/ 500 PSI. ND 7-1/16" 5K HYDRAULIC BOP. NU 7-1/16" 3K WH FLANGE. SD
- 3/8/12 RD PU & REV UT CLEAN LOCATION MOVE EQUIP.
- 3/29/12 RU PU, KILL WELL 200 PSI ON CSG & 100 PSI ON TBG, PUMPED 50 BBLS DOWN CSG & TBG TO PUT WELL ON VAC, CONTINUED PUMPING 2.5BPM, NU BOPE
- 3/30/12 250 PSI ON WELL, PUMP 35 BBLS, WELL ON PUMPED 35BBLS DOWN TBG TO PUT WELL ON VAC, WELL CHARED UP TO 900 PSI AND HELD PRESSURE, BLED OFF PRESSURE TO KILL TRUCK, PSI BLED OFF TO CONSTANT 100 PSI, PUMPED 25BBLS DOWN TBG WELL WENT BACK ON VAC. PUMPED 1BPM TO MAINTAIN, SCANLOG & STRAP TBG WHILE POH, 229JTS TOTAL MAKE PKR RUN, SET PKR @ 5000' 60' BELOW KNOWN HOLE, PUMPED 45BBLS DOWN TBG WELL WENT ON VAC, PUMPED 150BBLS TO FILL BACKSIDE VOLUME, PRESSURED UP TO 550 PSI, PRESSURE BLED OFF IN 3 MIN & WELL WENT ON VAC.
- 4/2/12 110 PSI-TBG 50 PSI-CSG, PUMP 40BBLS ON TBG TO PUT ON VAC, BLED PRES OFF CSG, UNSET PKR
- 4/3/12 80 PSI-CSG 50 PSI-TBG, PUMPED 20BBLS DOWN BOTH TO PU ON A VAC, RIH W/ PKR, TAG TOP OF CIBP @ 7,473', PU & SET PKR 4' ABOVE CIBP, FILLED TBG TO TEST CIBP, LOADED TBG W/ 55BBLS FW(VOLUME FOR TBG & 4' OF CSG +10BBLS), TBG ON VAC, PUMPED 136BBLS TO FILL VOID IN ANNULUS, PT CSG TO 550 PSI 170 PSI BLED OFF IN 17 MIN, UNSET PKR, LD 1 JT & RESET PKR, PKR SLIPPED UP HOLE, UNSET & RESET PKR REMOVING ANOTHER JT. LOAD TBG TO ATTEMPT PT, PUMP 65BBLS FW, WELL ON VAC, LOAD ANNULUS W/ 163BBLS FW & PRESSURE UP TO 500 PSI, BLED 100 PSI OFF IN 2.5 MIN. UNSEAT PKR & POH
- 4/4/12 50 PSI-CSG 50 PSI-TBG, PUMPED 35BBLS DOWN CSG TO PU ON A VAC, FINISH POH W/ PKR ASSY, PKR RUBBERS DAMAGED, MU NEW PKR ASSY, RIH W/ NEW PKR TO 1,930', SET & TEST CSG TO 510 PSI, UNSET PKR, RIH W/ PKR, TAG CIBP @ 7,473', RMVD 1 JT & SET PKR 34' ABOVE CIBP, RU TO PT CIBP, PUMP 55BBLS (TBG/CSG VOLUME +10BBLS), WELL ON VAC, RU & PUMP DOWN CSG, PT TO 550 PSI W/ 150 PSI LOSS IN 5MIN BOTH TIMES, BLED PRESSURE OFF CSG, UNSET PKR, PKR MOVING DOWNHOLE 13' BUT WILL NOT COME UP, PU JT OF TBG & UNSET PKR. PU 30' AND RESET PKR, LOAD & TEST CSG TO 500 PSI W/ 100 PSI BLEED OFF IN 4 MIN, LEFT 400 PSI ON CSG & 0 PSI ON TBG.

- \* 4/5/12 300 PSI-CSG 100 PSI-TBG, BLEED PRESSURE OFF OF CSG, INSTALL HOSES TO TBG & PUMP 15BBLS, TBG ON VAC, SET DOWN ON PKR TO OPEN VALVE, CSG ON VAC, UNSET PKR, POH W/ PKR ASSY & LD, RIH W/ 2-7/8" TBG TO TOP OF CIBP
- 4/10/12 50 PSI ON TBG & CSG, BLED PRESSURE OFF WELL, RIH W/ PKR ASSY, TAG TOP OF CIBP @ 7473', SET PKR @ 7473', LOAD CSG 130BBLS FW & PT PKR TO 500 PSI 3 TIMES W/ 100 PSI BLEED OFF EACH TIME, BLEED PRESSURE OFF OF CSG & UNSET PKR, MOVE UP HOLE 5' & RESET PKR
- 4/11/12 100 PSI ON TBG & 70 PSI ON CSG, LOAD CSG W/ 95BBLS FW & PT TO 500 2 TIMES, BLED OFF 100 PSI IN 2MIN BOTH TIMES, BLEED PRESSURE OFF CSG, UNSET PAKER, HAD A HARD TIME GETTING PKR TO UNSET, MOVE UP HOLE 5' & RESET, LOAD CSG W/ 172BBLS FW, PT CSG TO 500 PSI, BLED OFF 155PSI IN 10MIN (100 PSI IN THE FIRST 2MIN). CHECKED PRESSURE ON CSG BEFORE OPENING BOP, FOUND 200 PSI ON CSG, BLED OFF PRESSURE, TRIED TO LOAD CSG TO SEE IF WE HAD LOST ANY FLUID WHILE SHUT IN & FOUND THAT POP-OFF VALVE HAD SHEARED THE PINS WHEN THE CLUTCH WENT OUT & PUMP HAD PRESSURED UP AGAINST SHUT IN VALVE
- 4/12/12 30 PSI ON TBG & CSG, BLEED OFF PRESSURE, LOADED CSG W/ 85BBLS FW, UNSET & MOVED PAKER TO 7,423' (50' ABOVE CIBP WHERE IT HELD PRESSURE BEFORE), PT CSG TO 500 PSI, BLED 150 PSI IN 2MIN, BLED PRESSURE OFF CSG, UNSET PAKER & POH, PAKER RUBBERS STILL GOOD, RUN KILL STRING
- 4/13/12 40 PSI ON TBG & CSG, PUMPED 20BBLS & PUT WELL ON VAC, RU WL EQUIP, RIH TO PERFORM CSG INSPECTION LOG, TAGGED CIBP @ 7,473', POH WHILE LOGGING CSG, RIH & TAG @ 7,473' BY WL COUNTER, PU 5' TO 7,458' & SET CIBP, POH W/ WL ASSY WHILE FILLING HOLE, RD WL EQUIP, LOAD CSG W/ 229BBLS FW
- 4/14/12 340 PSI ON CSG, BLED PRESSURE OFF CSG & FILLED W/ 36BBLS OF FW, SPOTTED & RU WL EQUIP WHILE BLEEDING OFF PRESSURE & FILLING CSG. NU WL LUBRICATOR, RIH W/ LOGGING TOOLS, TAG CIBP @ 7,452' UNCORRECTED, LOGGED CMT BOND TO SURFACE, FOUND CSG UNBONDED FROM 5,210' TO SURFACE, RD WL EQUIP. FILL CSG W/ 4BBLS FW, PT CSG TO 550 PSI. BLED 250 PSI IN 5MIN.
- 4/16/12 RU AND MADE 2 BAILING RUNS TAGGED CIBP @ 7,458', TAGGED TOC ON SECOND RUN AT 7,448', PU AND WAITED 1HR, RIH & TAGGED TOC @ 7,433', SPOKE W/ TOWN, AND WAS REQUESTED FOR 2 MORE BAILER RUNS, RIH W/ NEXT RUN TAGGED TOC @ 7,433', BAILED CMT ON WAY UP BAILER BECAME STUCK AT 7,424'. WORKED TOOLS TO TRY & GET UNSTUCK, UNABLE TO PULL FREE, SPOKE W/ TOWN, PJSM TO PULL OUT OF WL TOOLS ROPE SOCKET, PULL OUT OF ROPE SOCKET @ 3,500K, POH W/ WL, ALL WL RECOVERED
- 4/17/12 FILL CSG W/ 8.2BBLS FW, PRESSURE UP TO 550 PSI BLED OF 150 PSI IN 2 MIN, CALLED FOR PKR TO ISOLATE LEAK IN CSG, RIH W/ PKR ASSY, RIH W/ PKR ASSY, TAG TOP OF FISH @ 7,388' W/ TBG, LOAD & PT TBG TO 500 PSI, BLED 100 PSI IN 4 MIN, PT CSG TO 500 PSIBLED 150 PSIIN 1 MINUTE, UNSET PKR & PUH 100', RESET PAKER & PT CSG TO 500 PSI BLED 200 PSI IN 2 MIN, PT TBG TO 500 PSI BLED 45PSI IN 10 MIN, BLED PRESSURE OFF TBG, LEFT 200 PSI ON CSG,
- 4/18/12 CONTINUE TO SEARCH FOR CSG LEAK, 7338' SET PKR, LOAD & TEST CSG, CSG LEAKING 100 PSI IN 1 MIN. WE MOVED PKR UP TO 4100' TESTED CSG TO 500 PSI, CSG HELD SOLID. TBG LEAKED OFF 100 PSI IN 1 MIN. MOVED PKR TO 4968' CSG LEAKED, TBG HELD, RELEASED PKR, MOVED PKR TO 4936', TEST CSG TO 500 PSI HELD SOLID, TBG LEAKED. 100 PSI IN 1 MIN. BLED PRESSURE, MOVED PKR TO 5000', PRESSURED TBG TO 540 PSI, HELD FOR 30 MIN. SOLID. OPENED CSG NO BLOW. THE LEAK IS IN THE CSG BTWN 4968' AND 4936'.
- 4/19/12 POH W/ 153 JNTS OF 2 7/8 TBG, STANDING BACK, AND 7" PKR. LAY DN PKR. TIH W/ 20 JNTS OF KILL STRING. NOTE: FISH LEFT IN WELL, TOP @ 7,381' BOTTOM @ 7,424' LENGTH 42.53'
- 4/20/12 POH W/ KILL STRING. 20 JNTS. TIH W/ 6 JNTS OF TAIL PIPE, 7" AD-1 PKR, 146 JNTS OF 2 7/8 TBG. LEFT PKR HANGING.
- 4/24/12 BROKE CIRCULATION W/ 16.6BBLS TO LOAD THE HOLE, PUMPED 20SKS MICROFINE CMT & DISPLACED TBG W/ 28BBLS FW, PULLED 10 STANDS LEAVING TAILPIPE 220' ABOVE CMT, REVERSED CIRCULATED 36BBLS, SET PKR @ 4453' & PRESSURED UP TO 650 PSI, BLED OFF TO 600 PSI, SHUT IN WELL LEAVING 600 PSI ON TBG
- 4/25/12 BLEED PRESSURE OFF OF TBG, UNSET PKR, RIH & TAG TOC @ 4,946', POH, CONTINUE RU REVERSE UNIT & SWIVEL, MILL +/25' CMT, LD SWIVEL ASSY, RIH TO 7370' & REVERSE CIRCULATE 100BBLS
- 4/26/12 POOH, LD TBG, CLOSE BLINDS & PT WELL TO 550 PSI W/ 0 PSI BLED OFF, ND BOP & NU WH, PT WELL TO 500 PSI W/ 0 PSI BLED OFF IN 30 MIN.
- 4/27/12 0-PSI ON WELL, WO BLM REP TO WITNESS TEST, RICHARD CARRASCO, WAIVED WITNESS OF TEST. PT WELL TO 560 PSI W/
  0 PSI BLED OFF IN 30 MIN, BLM REP RICHARD CARRASCO CAME TO LOCATION & INSPECTED CHART, SIGNED OFF GOOD,
  RD PULLING UNIT & MOVE RIG



OXY USA WTP LP
Roaring Spring 14 Federal #5
API No. 30-015-28302



CIBP @ 7500' w/ 15sx cmt PBTD-7433'

Whipstock @ 7778-7769' Perfs @ 7788-7944' - sqz w/ cmt