

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OCD-ARTESIA**

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMLC060543
2. Name of Operator MEMORIAL PRODUCTION OPERATING		6. If Indian, Allottee or Tribe Name
Contact: ADONYA DRYDEN Email: ADONYA.DRYDEN@BRAMMER.COM		7. If Unit or CA/Agreement, Name and/or No. NMNM101360X
3a. Address 1301 MCKINNEY STREET SUITE 2100 HOUSTON, TX 77010	3b. Phone No. (include area code) Ph: 318-429-2277	8. Well Name and No. NORTH SQUARE LAKE UNIT 5
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T16S R31E 1650FSL 990FWL		9. API Well No. 30-015-10322
		10. Field and Pool, or Exploratory SQUARE LAKE GB SA
		11. County or Parish, and State EDDY COUNTY, NM.

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

CASING REPAIR WORK DONE.

SEE ATTACHED OPERATIONS REPORTS/SUMMARY.

Accepted for record  
NRD NMCD 2/16/15

*Return well to "beneficial use" or submit P&A procedure within 30 days.*

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 20 2015

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #286393 verified by the BLM Well Information System For MEMORIAL PRODUCTION OPERATING, sent to the Carlsbad</b>		<b>RECEIVED</b>
Name (Printed/Typed) ANDREW KOBELAN	Title OPERATIONS ENGINEER II	
Signature (Electronic Submission)	Date 12/29/2014	<b>ACCEPTED FOR RECORD</b> DEC 30 2014 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved By	Title	
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

WELL: NORTH SQUARE LAKE UNIT #005

DAILY OPERATIONS			
FIELD:	SQUARE LAKE-GB-SA	TOTAL AFE:	\$0
COUNTY/STATE:	EDDY/NM		
PTD:			
LOCATION:			
ELEVATION (RKB):			
API #:	30-015-10322		
SERIAL NO:			
SPUD DATE:			
OBJECTIVE:			
JOB NAME:	EXPENSE WORKOVER		
JOB TYPE:	Remedial		
CONTRACTOR/RIG#: /			

Aug 18 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: MIRU, RELEASE PKR, POH SCANNING TBG, TIH W/ BIT &amp; SCRAPPER, TAG FILL AT 3246' PU ABOVE PERFS SDFN</p> <p>TRAVEL TO LOCATION;INTERDUCTION OF NEW CREW &amp; RIG, HELD SAFETY MEETING/JSA REVIEW, LOTO, MIRU. WELL DEAD, RIG DN WELL, PULL OUT OF LARKIN HEAD 30 POINTS TO RELEASE DOG SLIPS. NU BOP, LAY DN RIG FLOOR. ADD 4' SUB, PU PULL IN TENSION ON PKR, SET DN RELEASE PKR, PKR LOST WT TO 5K, POH SCANNING TBG, LAY DN VENT PKRS, THAT WERE SET AT 281' - 356' TO ISOLATE SMALL HOL:E FROM 308' - 340'. AERO SET PKR WAS SET AT 2980' PER TALLY. PERFORATIONS ARE @ 3124' - 3460'. CONTINUED SCANNING OUT WITH TBG. VENT PKR SET UP HAD 3.5 TBG WELDED TO THE 2 3/8 PRODUCTION AS A BRIDGE FOR FLUID TO TRAVEL TOP TO BTM FOR MIT TEST, BUT ISOLATING THE CSG WITH 2' SEALS ON THE OUTSIDE OF THE 3.5 TBG.75'</p> <p>87 YELLOW 1 BLUE 0 GREEN 1 RED</p> <p>89 SCANNED, TIH W/ 4 1/2 BIT AND 4 3/4 SCRAPPER ON 100 JNTS OF 2 3/8 IPC TESTED TO 3K. LOST 10 MORE IPC JOINTS, TAGGED FILL AT 3246', PBT D IS 3490', AGAIN PERFORATIONS ARE 3124' - 3460'. 214' OF 336' OF PERFORATIONS ARE COVERED. 122' ARE OPEN. PULL ABOVE PERFORATION OF 3124, SHUT BOP'S, SECURE WEL;RIG CREW TRAVEL TO ARTESIA, NM, THERE HOME.</p> <p>ACTIVITY PLANNED: CONTINUE POH, TIH W/ BAILER TOOLS, CLEAR FILL TO PBT D OF 3490', POH, TIH W/ PLUG/PKR TEST FOR CSG HOLE</p> <p>DAILY JOB COST: \$11,385 TOTAL JOB COST: \$11,385</p>
Aug 19 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: POH W/ BIT &amp; SCRAPPER, TIH W/ BAILER 3 TIMES BAILING OUT FILL TO 3450'. POH, TOH W/ RBP SET @ 2975'</p> <p>CREW TRAVEL TO LOCATION;CONTINUE POH W/ 4 1/2 BIT &amp; 4 3/4 SCRAPPER, TIH W/ NOTCH COLLAR, 2 CHECK VALVES, 6 JNTS OF 2 3/8 CAVITY, BAILER, BAILING TO 3341', 98 JNTS. POH, CLEAN OUT, TIH W/ BAILER ASSEMBLY BAILING OUT TO 3436, 100 JNTS. POH, CLEAN OUT TBG, TIH 3RD TIME BAILING OUT TO 3450, 101 JNTS, STILL 10' INTO BTM PERFORATION OF 3460 W/ FILL. POH, CLEAN OUT TBG, TIH W/ RBP, ON/OFF TOOL, TO 2975. SET RBP, PULL OFF TOOL, PU ABOVE PERFS, SECURE WELL, SDFN.;CREW TRAVEL HOME</p> <p>ACTIVITY PLANNED: TIH W/ PKR TESTING FROM TOP TO BTM, HOLES IN CSG, W/ PUMP TRUCK.</p> <p>DAILY JOB COST: \$8,575 TOTAL JOB COST: \$19,960</p>
Aug 20 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: Continue poh, tih w/ 5.5 rbp to 2975', test with pkr looking for holes in csg. Hole isolated at surface. Ready to cmt</p> <p>CREW TRAVEL TO LOCATION;HELD SAFETY MEETING. JSA REVIEW. RIG UP PUMP TRUCK. CONTINUE POH W/ ON/OFF TOOL, TIH W/ PKR TO 1304'. PUMP DN TBG TO LOAD AGAINST RBP SET AT 2975' W/ 45 BBLs FW. PRESSURE TO 600 PSI, HELD FOR 10 MIN. BLED PSI, RELEASE PKR, PU TO 657'. SET PKR. PUMP FW PRESSURING TO 650 PSI, PRESSURE HELD FOR 10 MIN. BLED PSI, PUMP DN ANN. 16 BBLs, PRESSURED TO 275 PSI INJECTING FLUID AT 2 BBL/MIN. SD. PRESSURE BLED IMMEDIATELY. RELEASE PKR, PU TO 333', PUMP DN TBG PRESSURING UP TO 700 PSI HOLDING FOR 10 MIN. BLED PSI, RELEASE PKR, PU TO 275'. PUMP DN TBG INJECTING FLUID @ 2 BBL/MIN 300 PSI. SD. PSI BLED IMMEDIATE. RELEASE PKR, PU TO 203', PUMP DN ANN., PRESSURED TO 725 PSI, HOLDING FOR 10 MIN. BLED PSI, TIE ON TBG, INJECTED FLUID @ 2 BBL/MIN 300 PSI. SD. CSG BTWN 5.5, &amp; 13 3/8 CSG VALVE OPEN, WE ESTABLISHED FLUID TO SURFACE WHILE PUMPING DN 5.5 CSG THROUGH LEAK HOLES FROM 275' - BELOW 203';RELEASED PKR POH. TIH W/ ON/OFF TOOL, TO RBP AT 2975'. RELEASE RBP, PU TO 350', SET RBP, PULL OFF, POH. SHUT BOP RAMS, SECURE WELL, RIG DN PUMP TRUCK, AND VAC TRUCK, SDFN. BLM WAS NOTIFIED WITH TEST, MEMORIAL ENGINEER WAS NOTIFIED AND PROCEDURE WAS DISCUSSED AND AGREED ON, THEN ENGINEER EMAILED BLM, BLM WAS NOTIFIED AND VERBAL GO AHEAD WAS GIVEN BY BLM TO PROCEED WITH CMT DESIGN. BLM WANTS ANNULAR BTWN 5.5 CSG AND 13 3/8 CSG CEMENTED TO SURFACE DUE TO THE FACT THAT THE 13 3/8 WAS SET AT A DEPTH OF 28' IN 1964, WELLS LIKE THIS HAVE TO BE DONE THIS WAY PER THE BLM. WE AGREED TO SATISFY THE BLM.;CREW TRAVEL HOME.</p> <p>ACTIVITY PLANNED: Nd bop, add 8 5/8 collar to Larkin head. Rig up cmt crew, pump cmt dn csg to sqz leak and, cmt annular btwn 5.5, 13 3/8 csg, per BLM.</p> <p>DAILY JOB COST: \$9,044 TOTAL JOB COST: \$29,004</p>

WELL:

NORTH SQUARE LAKE UNIT #005

Aug 21 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: RIG UP CEMENT CREW, PERFORM CEMENT SQZ DN 5.5 CSG, CIR UP 13 3/8 CSG, SHUT VALVE, SQZ 203'-333'</p> <p>TRAVEL TO LOCATION;JSA REVIEW, HELD SAFETY MEETING. MIRU CMT CREW. SPOT VAC TRUCK, WATER TRUCKS. REMOVE BOP, REMOVE WELL HEAD BTM FLANGE, ADD 8 5/8 CSG COLLAR AND CMT HEAD SWEDGE, AND CMT HEAD, RIG UP HIGH PRESSURE CMT LINES. ADD SUGAR TO CATCH TRUCK, HELD JOB SAFETY MEETING. PRESSURE TEST CMT LINES TO 3000 PSI. HELD GOOD. BLED LINES. OPEN 2X2 VALVE, OPEN BRADEN VALVE ON 13 3/8 CSG. ESTABLISH RATE ON FW DN CSG PUMPED 5 BBLs GOT FLUID TO SURFACE. THROUGH 13 3/8 CSG VALVE, SD, VAC TRUCK CATCH FLUID IN CELLAR. WEIGHT UP CMT TO 15.2 PPG, START DN HOLE AT 2 BBL/MIN, INJECTING PRESSURE AT SURFACE WAS 300 PSI. MIXED 12 BBLs CMT, GOT CMT TO SURFACE, SHUT BRADEN HEAD IN, PRESSURE STAYED AT 300 PSI, AT 40 BBLs OF SLURRY GONE PRESSURE HAD DROPPED TO 100 PSI, AT 60 GONE PRESSURE HAD RISEN TO 280 PSI. AT 90 GONE PRESSURE WAS AT 380 PSI., AT THIS POINT WE HAD 1 HR ON THE CMT SET TIME, PUMPED 4 BBLs MORE OF CMT AT A TOTAL OF 400 SKS CLASS C W/ 2% CALCIUM CHLORIDE. TOTAL BBLs OF SLURRY PUMPED WAS 94.,;SWITCH TO FW DISPLACEMENT, PUMPED 1.5 BBLs, PRESSURE WAS AT 395. SD, PRESSURE DROPPED TO 80 PSI. SWITCHED TO VAC TRUCK, WASHED UP CEMENT PUMP. TIED BACK ON CSG, ROLLED INTO IT, PRESSURED UP TO 400 PSI, PUMPED 1 BBL FW. SD. PRESSURE DROPPED SLOWLY TO 200 AND HELD. WAITED 30 MIN. ROLLED OVER PUMP, HALF A BBL, WELL PRESSURED TO 570 PSI. SHUT DN, PRESSURE DROPPED TO 300 HELD. WAITED 30 MIN. ROLLED INTO IT, WELL PRESSURED TO 770, PRESSURE HELD AT 770 FOR 30 MIN. BLED WELL DN TO 300. SHUT IN. SECURED WELL. RIG DN CEMENTING CREW, AND WATER TRUCKS. SDFN. WOC. RETURN MONDAY TO DRILL OUT.;CREW TRAVEL HOME.</p> <p>ACTIVITY PLANNED: WOC, PU WRK 2 7/8 WRK STRING, 4 3/4 COLLARS, 4 3/4 BIT, DRILL OUT CMT CLEAN. GO TO BTM CUT RAT HOLE.</p> <p>DAILY JOB COST: \$19,524 TOTAL JOB COST: \$48,528</p>
Aug 22 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: WOC</p> <p>TRAVEL TO LOCATION TO TAKE PACKER FLUID, MET DIRT WORKING COMPANY ON 106 LOC.</p> <p>ACTIVITY PLANNED: SHUT DN FOR WEEKEND</p> <p>DAILY JOB COST: \$1,575 TOTAL JOB COST: \$50,103</p>
Aug 23 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: WAITING ON CEMENT/ MIRU REVERSE UNIT, SWIVEL, COLLARS REVERSE PIT, ADD FW TO RP. SDFN.</p> <p>TRAVEL TO LOCATION;MIRU REVERSE UNIT, POWER SWIVEL, DRILL COLLARS, 4 3/4 BIT. REVERSE PIT. ADD FW TO REVERSE PIT. SDFN.;TRAVEL HOME</p> <p>ACTIVITY PLANNED: SHUT DN FOR WEEKEND, DRILL OUT CMT MONDAY.</p> <p>DAILY JOB COST: \$1,425 TOTAL JOB COST: \$51,528</p>
Aug 24 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: SHUT DN FOR WEEKEND</p> <p>SHUT DN FOR WEEKEND</p> <p>ACTIVITY PLANNED: DRILL OUT CMT 165 - 333-, WASH SAND OFF PLUG, POH, TIH RELEASE RBP, POH.</p> <p>DAILY JOB COST: \$0 TOTAL JOB COST: \$51,528</p>
Aug 25 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: OPEN WH, NO PSI, NDNU BOP, PU 4 3/4 BIT, 3 COLLARS START DRILLING CMT.</p> <p>TRAVEL TO LOCATION;CONDUCT SAFETY MEETING. OPEN WELL HEAD, NO PRESSURE. REMOVE CMT HEAD, AND SWEDGE, 8 5/8 COLLAR. FLUID STANDING FULL. PU TIH W/ 4 3/4 BIT, 4 - 3.5 COLLARS TAGGING CMT AT 118'. PU LAY DN 1 COLLAR, TIH W/ 1 JNT, RIG UP SWIVEL, COMMENCE TO DRILLING AND CIRCULATING TO PIT. DRILLED TO 300' W/ 7TH JNT IN. PU UP ONE STAND. SECURE WELL, SDFN.;TRAVEL HOME</p> <p>ACTIVITY PLANNED: CONTINUE DRILLING THROUGH CMT TO 340', WASH SAND TO 350', POH, TIH W/ ON/OFF TOOL, PULL RBP.</p> <p>DAILY JOB COST: \$9,799 TOTAL JOB COST: \$61,327</p>
Aug 26 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: DRILL THROUGH CMT SQZ. POH TEST CSG, LEAKS ON SURFACE. FINALLY TESTED CSG TO 500 PSI. HELD!</p> <p>TRAVEL TO LOC;HELD SAFETY MEETING. CONTINUE DRILLING FROM 300' TO 340', BIT FELL OUT THERE. TAGGED SAND @ 382'. RBP @ 392'. PU, CLOSE BOP RAMS, INSTALL 1000 PSI GAUGE ON CSG. TEST TO 600 PSI. LEAKED OFF TO 200 PSI. CHECKED REVERSE UNIT FOR LEAKS, FOUND THAT A VALVE GOING TO THE REVERSE PIT ON MANIFOLD WAS LEAKING AFTER WE DISCONNECTED HOSE. BLED LINES. PUT LOAD HOSE ON NORTH CSG VALVE. ADD VALVE AND GAUGE ON TBG. TESTED TO 600 PSI ON CSG, SHUT IN CSG. HAD LEAK OFF. DID THIS SEVERAL TIMES. BLED LINES. REMOVED RBP, RBP LOOKED GOOD. TIH W/ RBP. SET AT 350'. POH W/ TBG STANDING BACK. CLOSED BOP RAMS. TEST AGAIN TO 600 INTO CSG. BLED DOWN TO 300 PSI. LOOKED AT CSG BELOW BTM FLANGE THAT WAS SCREWED ON LARKIN 8 5/8 8 RD THREADS. IT WAS LEAKING. I ASK CREW IF THEY USED TEFLON TAPE WHEN INSTALLING BTM FLANGE, ANSWER WAS NO. I HAD CREW REMOVE BOP, AND BTM FLANGE, ADD TEFLON TAPE, RE INSTALL BTM FLANGE, AND BOP, TIGHTEN ALL. RE-TEST TO 500, NORTH BALL VALVE ATTACHED TO 2" REG NIPPLE ON CSG WAS LEAKING.;BLED OFF PRESSURE, TIGHTEN VALVE. RE-TESTED CSG. CSG HELD 550 PSI FOR 45 MINS., WITHOUT ANY DROP WHATSOEVER. BLED OFF CSG. SECURE WELL, SDFN.;TRAVEL HOME</p> <p>ACTIVITY PLANNED: TIH W/ DRILL BIT, CLEAN OUT TO 3490', PERFORM ACID DUMP BEHIND CHEMICAL TREATMENT, POH, TIH-W/ PKR.</p> <p>DAILY JOB COST: \$10,345 TOTAL JOB COST: \$71,672</p>

WELL:

NORTH SQUARE LAKE UNIT #005

Aug 27 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: POH W/ RBP, TIH W/ 4 3/4 BIT AND 6 COLLARS, TAG 3372', CIRCULATE/ DRILL TO 3492' CIRCULATE CLEAN.</p> <p>TRAVEL TO LOCATION; TIH W/ 2 7/8 WRK STRING &amp; ON/OFF TOOL TO RBP @ 350'. LATCH ON, RELEASE, POH W/ RBP. TIH W/ 4 3/4 BIT, 6 - 3.5 COLLARS, &amp; 98 JNTS OF WRK STRING TO 3372' FILL HAD COME IN DURING SQZ TREATMENT. ADDED SWIVEL, EST. CIRCULATION TO THE REVERSE PIT. DRILLED DN TO 3492'. LOTS OF SAND, PARAFFIN CAME BACK. CIRCULATED HOLE 4 ROUNDS CLEAN. ACID CREW WAS SUPPOSED TO BE ON LOCATION BY 1PM NM TIME. THEY GOT HUNG UP ON PREVIOUS JOB, ACID JOB WILL COMMENCE IN THE AM. MEANWHILE, PULL UP DRILL BIT TO 2000'. SHUT DN, SECURE WELL. SDFN.; TRAVEL HOME</p> <p>ACTIVITY PLANNED: GO BACK TO 3392' CIRCULATE CLEAN, RIG UP ACID CREW, SPOT ACID AT 3492' POH LAY DN CLRS, FLUSH ACID.</p> <p>DAILY JOB COST: \$8,779 TOTAL JOB COST: \$80,451</p>			
Aug 28 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: TAGGED 3492'. NO FILL. PU, SPOT CHEMICAL, POH, TIH W/ 5.5 PKR, SET @ 2972' PERFORM ACID TREATMENT.</p> <p>CREW TRAVEL TO LOCATION; HELD SAFETY MEETING. FROM 2000', GO BACK DN W/ 4 3/4 BIT, AND DRILL COLLARS ON 2 7/8 WRK STRING TO 3492'. NO FILL. PU TO 3460, RIG UP ROYWELL ACID SERVICE, TITRATED 15% ACID ON LOC. TEST LINES, SPOT AND BALANCE 82 GALS OF SUPER A SOLVENT, FOLLOWED BY FW TO SPOT. POH SLOWLY 2 STANDS, THEN, POH NORMAL STANDING BACK. LAY DN DRILL COLLARS, AND BIT. TIH W/ PKR TO 2975' SET PKR. TEST LINES TO 4000 PSI. HELD GOOD. BLED LINES. OPEN MASTER VALVE. EST., INJECTION RATE ON FW @ .5 BBL PER MIN, 750 PSI. FOR 10 BBLs, START 15% NEFE ACID, INCREASE RATE TO 1.5 BBL/MIN THROUGH OUT ACID TREATMENT, WELL PRESSURE WAS 1560 PSI, PUMPED 48 BBLs, SWITCH TO FRESH WATER FLUSH, NO BREAK DURING ACID TREATMENT. AFTER 10 BBLs FW FLUSH, INCREASE RATE TO 3 BBL/MIN, PRESSURE INCREASED TO 2600 PSI. PUMPED 29 BBLs TO BTM PERF OF 3460', PUMPED AN ADDITIONAL 20 BBLs OF FLUSH TO PUSH ACID INTO FORMATION. SHUT DN. PRESSURE BLED SLOWLY FROM 2550 TO 2200 PSI. WATCHED PRESSURE FOR 30 MIN, WELL DIDNT BLEED DN MUCH.; BLED 20 BBLs TO ACID TRUCK. SHUT IN WELL. WELL PSI WAS 2300 PSI. DECIDED TO SHUT IN WELL FOR NIGHT, TO LET ACID SPIN OUT, WILL FLOW BACK INTO VAC TRUCK TOMORROW, POH, LAY DN 2 7/8 WRK STRING. TIH W/ PKR AND IPC PRODUCTION TBG TO 2975' LEAVE HANGING. RIG UP PUMP TRUCK AND PUMP 1/4 PRK FLUID DN CSG, SET PKR, CONTINUE LOADING AND TESTING ANNULAR WITH CHART RECORDER TO 500 PSI FOR 30 MIN. PAUL SWARTZ WILL BE ON LOC AT 12 NOON TO WITNESS MIT TEST. WE WILL BE READY. ONCE COMPLETE, AND APPROVED. WE WILL FINISH NU WELL, AND RDMO. TURN WELL OVER TO MEMORIAL PRODUCTION.; CREW TRAVEL HOME</p> <p>ACTIVITY PLANNED: BLED TBG, POH, LAY DN WRK STRING. TIH W/ PKR, IPC PROD TBG TO 2975'. CIR PKR FLUID, TEST. RDMO</p> <p>DAILY JOB COST: \$23,387 TOTAL JOB COST: \$103,838</p>			
Aug 29 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: TIH W/ 5.5 RD-1 AREO SET PKR TO 2975', CIRCULATE PKR FLUID DN ANN., TEST TO 550 PSI, SDFW.</p> <p>TRAVEL TO LOCATON; HELD SAFETY MEETING. CHECK WELL PRESSURES. TBG 1480 PSI. CSG 0. HOOKED VACUUM TRUCK TO TBG. BLED INTO VAC TRUCK 17 BBLs OF FW, WELL HAD SMALL FLOW. UNSET PKR, POH W/ 99 JNTS OF 2 7/8 WRK STRING LAYING DN. TIH W/ 98 JNT OF 2 3/8 IPC PRODUCTION TBG TO 2970 W/ REDRESSED RD-1 AREO PKR ON BTM HANGING @ 2975'. RIG UP KILL TRUCK ON ANNULAR. PUMPED 65 BBLs OF PACKER FLUID PUTTING 10 BBLs UP IN THE TBG. CIRCULATION WAS EST. IMMEDIATELY TO SURFACE OUT OF THE TBG TO VAC TRUCK. SHUT DN, SET RD-1 AREO SET PKR W/ 15 POINTS. ND BOP, LAND TBG IN 8 5/8 X 2 3/8 SLIPS LARKIN HEAD. ADD PACKING, TEFLON TAPE, THEN SCREW ON NEW 8 5/8 TOP NUT. RIG UP KILL TRUCK ON ANNULAR, PRESSURING TO 550 PSI. BLED DOWN DUE TO FOAMY PKR FLUID. THIS IS COMMON. CONTNUED TO OBTAIN A SOLID PRESSURE HOLD. SHUT IN WELL LEAVING 100 PSI ON ANNULIS. TUE SEPT 2ND WE WILL PERFORM A MIT CHARTED TEST W/ BLM. SCHEDULED FOR 8 AM NMT. RIG DN MOVE REILABLE RIG 10.; TRAVEL HOME</p> <p>ACTIVITY PLANNED: WAITING ON BLM MIT TEST, AND SIGNATURE APPROVAL.</p> <p>DAILY JOB COST: \$13,248 TOTAL JOB COST: \$117,086</p>			
Aug 30 2014	MD:	TVD:	FOOTAGE:	PTD:
	RIG SUPERVISOR:			PBTD:
	PRESENT OPERATIONS: WAITING ON MIT W/ BLM			
	DAILY JOB COST:	\$0	TOTAL JOB COST:	\$117,086
Aug 31 2014	MD:	TVD:	FOOTAGE:	PTD:
	RIG SUPERVISOR:			PBTD:
	PRESENT OPERATIONS: SHUT DN FOR WEEKEND, HOLIDAY LABOR DAY. WAITING ON MIT BLM			
	DAILY JOB COST:	\$0	TOTAL JOB COST:	\$117,086
Sep 1 2014	MD:	TVD:	FOOTAGE:	PTD:
	RIG SUPERVISOR:			PBTD:
	PRESENT OPERATIONS: LABOR DAY HOLIDAY WAITING ON MIT BLM			
	DAILY JOB COST:	\$0	TOTAL JOB COST:	\$117,086

WELL:

NORTH SQUARE LAKE UNIT #005

Sep 2 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      PERFORM MIT W/ BLM, STILL LEAKING AT 50 LB PER MIN.</p> <p>ARRIVE TO LOCATION;RDMO RELIABLE RIG 10, MIRU KILL TRUCK W/ CHART RECORDER. TESTED ANN TO 600 PSI. LEAK OFF AT 100 LB PER MIN, DN TO 300 PSI, LEAK OFF 50 LB PER MIN. TO 220. HOLDS. FOR 2 HRS. LARKIN HEAD PACKING STARTED LEAKING, TIGHENED MORE. STOPPED LEAK ON SURFACE. PRESSURED UP AGAIN, SAME LEAK OFF AS ABOVE. BLM REFUSED/ CANCELLED. CALLED ENGINEER ANDREW KOBOLAN, AND SUGGESTED A CHEMICAL LATEX ANN SQZ FOR SLOW LEAK OFFS. WE CANT EST AN INJECTION RATE. ENVIRO-SEAL IS USED OUT IN THIS FIELD BY OTHER PRODUCERS, AND DOES ITS JOB CHEAP COMPARED TO SPOTTING A CMT PLUG W/ A LATEX TYPE CMT, REVERSING OUT CLEAN AND SQZ, DRILL OUT W/ A REVERSE PKG, AND RIG TIME. DOWN TIME.. \$\$\$\$ COST IS AROUND 1500 USD. DONE IT 24/HRS, AND NO DRILLOUTS. WILL START THIS PROCEDURE 9/5/14;RIG DN PUMP TRUCK, TRAVEL TO NSLU 109</p> <p>ACTIVITY PLANNED:      FIXED LEAK AT LARKIN HEAD PACKING. TIGHTENED. STILL LEAKING OFF AT SQZ. CHEMICAL LATEX SQZ PLAN</p> <p>DAILY JOB COST:      \$2,106      TOTAL JOB COST:      \$119,192</p>
Sep 11 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      PERFORMED LATEX ENVRO SQZ TREATMENT. HOLD 450 FOR 24 HRS.</p> <p>HELD SAFETY MEETING, RIG UP KILL TRUCK, PUMP 3 BBLs FW TO LOAD ANNULAR. OPEN OFF SIDE ANN 2" BALL VALVE. POUR LATEX ENVRO SQZ MATERIAL DN OTHER 2" BALL VALVE ANN SIDE. 4 BUCKETS., ADD NITROGEN BOTTLE REGULATED AT 450 PSI. HELD 24 HRS,RIG DN KILL TRUCK MOVE OUT.</p> <p>ACTIVITY PLANNED:      PERFORM CHARTED 500 PSI ANN MIT TEST.</p> <p>DAILY JOB COST:      \$3,700      TOTAL JOB COST:      \$122,892</p>
Sep 12 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      RIG UP KILL TRUCK, PERFORM CHARTED MIT W/ BLM</p> <p>HELD SAFETY MEETING, RIG UP KILL TRUCK W/ CHART RECORDER, BLM PRESENT. PRESSURE ANN UP W/ .5 BBL FW. TO 550, WELL BLEED DN AND WOULD NOT HOLD, THE BLEED WAS 100 PSI IN 10 MIN. THE LEAK OFF BEFORE USING ENVRO SQZ TREATMENT WAS 180 A MIN. RIG DN PUMP TRUCK AND ORDER MORE ENVIRO-SEAL TO PERFORM ANOTHER ENVIRO-SQZ.</p> <p>DAILY JOB COST:      \$1,200      TOTAL JOB COST:      \$124,092</p>
Sep 22 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      PERFORM ANOTHER ENVIRO-SEAL CHEMICAL SQZ TREATMENT, REGULATED AT 650 PSI. FOR 24 HRS.</p> <p>HELD SAFETY MEETING. MIRU BOB TAIL HOT OIL TO LOAD ANNULAR, LOAD W/ .5 BBL FW. RIG DN HOT OILER. POUR 4 BUCKETS OF ENVIRO-SEAL SQZ MATERIAL DN ANNULAR. ADD NITROGEN BOTTLES REGULATED AT 650 PSI. HOLD FOR 24 HRS.</p> <p>ACTIVITY PLANNED:      PERFORM CHARTED 500 PSI TEST ON ANNULAR W/ KILL TRUCK.</p> <p>DAILY JOB COST:      \$5,175      TOTAL JOB COST:      \$129,267</p>
Sep 26 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      MIRU L&amp;E KILL TRUCK. TEST ANNULAR- LEAK OFF SLOWED TO 150 LBS LOSS IN 15 MIN. FROM 610 - 500 PSI</p> <p>MIRU L&amp;E KILL TRUCK. LOAD ANN W/ 2 TENS OF A BBL, PRESSURE TO 610 PSI, HAD LEAK OFF DUE TO AIR, BLEED OFF WELL FROM OFF SIDE, AIR RELEASED. RE-PRESSURE TO 610 PSI, SHUT VALVES, DISCONNECT PUMP TRUCK HOSE, MONITOR PRESSURE GAUGE ON WELL ANNULAR. LEAK OFF 150 PSI IN 15 MIN. LEAKED FROM 610 PSI TO 460 PSI. NMOC GUIDE LINES ARE 10% LOSS IN 15 MIN., IS EXCEPABLE. WE ARE AT 24.5%. WE PUT FW AROUND WELL HEAD, AIR BUBBLES ARE COMING FROM AROUND THE WELL FROM THE GROUND, INDICATING LEAKS IN THE SURFACE CSG. THAT WAS CEMENTED AROUND IN THE BEGINNING OF OUR SQZ JOB. IT IS RECOMMENDED TO DBL THE LATEX SQZ AMOUNT TO 8 BUCKETS OF PRODUCT VS 4. THE COST IS 3200 FOR NEXT SQZ OF THIS TYPE VS 70000 FOR A CEMENTING SQZ WITH RIG COSTS AND OTHER COSTS.</p> <p>ACTIVITY PLANNED:      RE-LATEX SQZ, DBL AMOUNT, UNLESS OTHER WISE INSTRUCTED.</p> <p>DAILY JOB COST:      \$250      TOTAL JOB COST:      \$129,517</p>
Oct 22 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      HELD SAFET MEETING, MIRU RIG 10. TBG HAS 1500 PSI, SDFN. DUE TO NO VAC TRUCK AVAILABILITY.</p> <p>TRAVEL TO LOCATION. HELD SAFETY MEETING, RIG UP WORKOVER UNIT. SDFN. NO VAC TRUCK AVAILABLE TIL AM.</p> <p>ACTIVITY PLANNED:      BLEED DN TBG, PULL TBG FROM LARKIN SLIPS, REPLACE WELL LARKIN WELL HEAD. TEST ANNULAR.</p> <p>DAILY JOB COST:      \$1,225      TOTAL JOB COST:      \$130,742</p>
Oct 23 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS:      TAKE OFF LARKIN HEAD NUT, PO OF SLIPS, TRY TO TAKE OFF LARKIN HEAD, CAN NOT. WAIT ON CUT OFF.</p> <p>TRAVEL TO LOCATION. HELD SAFETY MEETING. NIPPLE DN 8 5/8 LARKIN CAP NUT. PULL OUT OF LARKIN SLIPS, W/ 2 3/8 TBG. JUST ENOUGH TO TAKE OFF LARKIN HEAD. COULD NOT. WELDED. SDFN. DUE TO WAIT ON WH CUT OFF CREW.</p> <p>ACTIVITY PLANNED:      PERFORM CUT OFF OF LARKIN HEAD. WELD NEW 5.5 NIPPLE, NIPPLE UP WH. TEST TO 500.</p> <p>DAILY JOB COST:      \$5,450      TOTAL JOB COST:      \$136,192</p>

WELL:

NORTH SQUARE LAKE UNIT #005

Oct 24 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: SET UP TO PERFORM WH CUT OFF, CEMENT AROUND WH CAUSED PROBLEMS TO MAKE CUT. SDFN.</p> <p>TRAVEL TO LOCATION, HELD SAFETY, MEETING. TRY TO CHIP CEMENT WITH BACK HOE, WORKED ON IT FOR SEVERAL HOURS, NO CAN DO. TRY TO GET ROUST ABOUT CREW TO COME CHIP CMT WITH JACK HAMMER, NOT AVAILABLE TIL MONDAY SHUT DN FOR WEEKEND.</p> <p>ACTIVITY PLANNED: CHIP CEMENT AROUND WELL HEAD, DN 2' TO MAKE WH CUT;. WAITING ON JACK HAMMER.</p> <p>DAILY JOB COST: \$4,750</p> <p>TOTAL JOB COST: \$140,942</p>
Oct 27 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: CHIP CMT W/ JACK HAMMER, MAKE WH CUT OFF. REPLACE 5.5 NIPPLE/ LARKIN WH. TEST ANN. SDFN.</p> <p>TRAVEL TO LOCATION. HELD SAFETY MEETING. CHIP CEMENT AROUND WELLHEAD, W/ JACK HAMMER. 2' DN WELDER ASSESSED AREA FOR GAS READINGS, NONE. MADE CUT OFF. WELDED NEW 5.5 COLLAR W/ MALE THREAD 8RD ON TOP TO OLD CSG. CREW SCREWED IN NEW LARKIN 5.5 X 8 5/8 LARKIN HEAD INTO NEW 5.5 THREAD TOP. WITH TEFLON TAPE AND ANTI -SIEZE MATERIAL ADDED. LOWERED 2 3/8 TBG INTO LARKIN SLIPS ADDED NEW LARKIN PACKING AND TOP NUT, NIPPLED DOWN. RU HOT OILER TO PERFORM ANN PSI TEST. LOADED ANNULAR .2 TENS OF A BBL. FW. CLOSED ANN ON OFF SIDE. ADDED GAUGE. OPENED 2" VALVE. PRESSURED ANN TO 500 PSI. PRESSRE BLEED OFF 480 IN 5 MIN. PRESSURED BACK UP TO 550. PRESSURE BLEED DN TO 235 IN 20 MIN. RIGGED DN HOT OILER, SHUT DN CREW. CALL ENGINEER FOR OPTIONS.</p> <p>ACTIVITY PLANNED: RIG DN WORKOVER UNIT.</p> <p>DAILY JOB COST: \$6,450</p> <p>TOTAL JOB COST: \$147,392</p>
Oct 28 2014	<p>RIG SUPERVISOR:</p> <p>PRESENT OPERATIONS: RIG DOWN MOVE OUT.</p> <p>HELD SAFETY MEETING. RIG DOWN MOVE RIG TO GULF CHAPMAN #2.</p> <p>DAILY JOB COST: \$919</p> <p>TOTAL JOB COST: \$148,311</p>