

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB No. 1004-0137  
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.**

5. Lease Serial No. **NMNM-112940**  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator **Owl SWD Operating, LLC**

3a. Address **8214 Westchester Drive, Ste. 850  
Dallas, TX 75225**  
3b. Phone No. (include area code)  
**214-292-2011**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1980' FNL & 660' FEL, Sec. 25, Twp 23-S, Rng 33-E**

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. **Brinstool 25 Federal No. 1**

9. API Well No. **30-025-37582**

10. Field and Pool or Exploratory Area  
**SWD; Bell Canyon/Cherry Canyon**

11. Country or Parish, State  
**Lea**

**12. CHECK THE 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 checked="" 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 checked="" 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 recomplete 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted to correct and otherwise update the record of activity on this well. Sundry is being submitted to comply with instructions from BLM CFO (email 2/11/15) to bring well activities, status and configuration current.

Activity on this well started on 9/04/2014 and ended on 12/31/2014.

Summary of Work Below (Detail of activities on attached Daily Report Summary / Detail)

Rig Up Status: Well is P&A'd with 7" casing to 11,908' and 4.5" casing to 14,030'.

- (Days 1 - 11) Well was re-entered and all plugs drilled out and cleaned out to 8576'.
- (Days 12-72) The 4.5" casing was cut and retrieved from a depth of 7810'. Milled / washed / fished over this duration.
- (Days 73-76) Set CIBP A 7462' w/ 4 sx (20') cmt. Located hole in 7" casing w/ plug & prk between 777' and 735'. Ran CBL & Freepoint and cut 7" casing @ 782'. Pulled casing.
- (Days 77-80) Ran 781' new 7" 26# 8-rd casing and cemented w/ 120 sx Class C - circulated 25 sx to surface. Installed 7" wellhead. Rig down & release equipment.

*Work done by operator with no change of operator approved by BLM. Operator had no workover approval from BLM. Workover shutdown by BLM - Hobbs Office.*

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed) **Ben Stone** Title **SOS Consulting, LLC - Agent for Owl SWD Operating, LLC**  
Signature *[Signature]* Date **2/16/15**

**ACCEPTED FOR RECORD**  
APR 7 2015  
*[Signature]*  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**  
Approved by \_\_\_\_\_ Title *[Signature]*  
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.

APR 27 2015 *[Signature]*

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13* - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

## NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

ATTACHMENT TO BLM 3160-5 SUNDRY DATED 2/16/2015

Owl Oil and Gas, LLC  
Brininstool 25 Federal Well No.1  
API No.30-025-37582  
1980' FNL & 660' FEL  
Section 25, Twp 23-S, Rng 33-E  
Lea County, New Mexico

THIS SUMMARY IS BEING PROVIDED PER INSTRUCTIONS FROM ED FERNANDEZ (BLM-CFO) VIA EMAIL (2/11/2015) TO CATCH UP PAPERWORK DOCUMENTATION WHICH WAS NEVER FILED BY OWL SWD OPERATING, LLC OR ANY OF ITS CONTRACTORS.

**Instruction: A Subsequent Sundry report form 3160-5 – identify all work done to the well starting from 9/04/2014. This will most likely require attachments to this sundry.**

**Daily Report Summary**

**Days 1 - 4** – Begin Operations 9/04/2014 - Prepare location and well head; install BOP.

**Days 5 – 10** – Locate 7" and 4 ½" casing tops. Drill plugs surface to 8576'.

**Days 12 – 13** – Wireline free points and make casing cuts in 4 ½" per FP recommendations: 1st 7810'; 2nd 5110'; 3rd 5195'; 4th 2190; 5th 1850'; 6th 1090'; 7th 630'.

**Days 14 – 72** – Fish 560' of 4 ½". Begin / continue washover. Work downhole – Mill / Wash / Fish w/ spears and overshot as required. Cleared from 560' to 7810' = final trip w/ 6 1/8" bit and scraper = tag @ 7810'.

**Day 73** – Set RBP @ 7460' & pkr @ 5241'. Test to 800 psi – OK.

**Day 74** – Hole in 7" – used pkr/plug - Isolated hole from 777' to 735'.

**Day 75** – Wireline Radial CBL – TOC @ 3850'. Set CIBP w/ 4 sx cement. PBTD @ 7442'. Free point 7" casing.

**Day 76** – Cut 7" casing at 782'. Pulled 17 jts.

**Day 77** – Run 17 jts new 7" 26#, 8-Rd casing w/ lead bowl casing patch & DV tool – open ports. Pumped 120 sx "C" Neat (28.21 bbls), 14.8 ppg, 1.32 yld, 6.3 gal/sx water. Dropped wiper plug & displace cement w/ 29.5 bbls @ 3bpm @ 390 psi. Bumped plug w/ 1980#. Circulated 25 sx to surface. (PU salvage 4 ½" casing – 166 full joints – 16 pieces shaved/ cut.)

**Day 78 – 80** – Install 7" well head. Drill out / Clean out hole. Dress csg patch w/ 15 passes. Run 6 1/8" bit - tight spot noted 2400'-03'. Worked through & tag plug at 7422' - circulate hole clean. POOH. Nipple down BOP. Cap well. RDMO. Released all rental equipment. End Operations 12/31/2014.

**Currently waiting completion as salt water disposal well per NMOCD SWD-1364.**

## **Daily Report Detail**

**Day 1, 9/04/2014** – Clear a 200' X 200' location and 1 mile of road to location. Also dig out 13" casing around well head.

**Day 2, 9/05/2014** – Dig out 13 3/8" surface casing - build an 8' x 8' x 6' cellar and back filled. Moved rig to location, reverse equipment was delivered also. Install 4 anchors. S/I

**Day 3, 9/08/2014** - Cut plate on 13 3/8" csg. 9 5/8", 7" and 4 1/2" csg strings where cut off about 2' below 13 3/8", jack hammered and clean about 14" of cement around 13 3/8" install 9 5/8" well head , pick up one 3 1/2" drill collar & 3 3/4" bit and drill 12' of cement inside of 4 1/2", pick up a 3.947" spear caught 4 1/2" pull on to 100,000# to see if we can bring it up, to be able to install well head on 7" and 4 1/2", but casing didn't move - release spear laid down drill collar. Orange peel 13 3/8" weld it on to 9-5/8". S/I.

**Day 4, 9/09/2014** - Install Hydraulic BOP on well. Pick up 1 3 1/2" drill collar. Drill out 65' of cmt. On 4 1/2" csg . Lay down drill collars. Have to wait for 3 hrs on wash pipe, unload wash pipe S/I

**Day 5, 9/10/2014** - Open up well, pick up a 5 5/8" shoe and wash pipe, drill out 45' cement plug, fell thru went down to 65' circulate hole clean. Laid down wash pipe. Shoe and wash pipe to drill plug between 4 1/2" and 7" weren't ready yet. S/I

**Day 6, 9/11/2014** – RIH w/ 8 5/8" shoe & wash pipe, start washing over 7" found first collar at 8' from surface, started to torqueing up, got some metal on returns, decide to go to second collar in case that first collar got damage, down to 55' cleaned to top of second 7" collar, POOH w/ wash pipe RIH w/ fishing tool fish 4 1/2", RU RIH w/ wire line and string shoot, went to second collar inside 4 1/2" backed off 2 jts. Laid csg down, started raining and lightning, so were not able to back off 7" S/I

**Day 7, 9/12/2014** - Open up well, no pressure. RIH w/ fishing tool. Fished 7" RU RIH W/ Wire line and string shut, to second collar inside 7" shut it 3 times can't backed off, pull up to first collar, can't backed off either - release fishing tool, POOH w/ it install BOP on, RIH W/ 3 3/4" drill bit & 3 1/2" collars start drilling on cement inside 4 1/2" fell thru first plug at 210', went down tagged second plug at 799' drill out cement down to 830' circulate hole clean. S/I.

**Day 8, 9/15/2014** - Open up well, no pressure, tagged cmt @ 830' drill thru second plug at 915', tagged third plug at 1136' drill out cmt down to 1320' circulate hole clean. S/I.

**Day 9, 9/16/2014** - Open up well, no pressure, tagged cmt 1320' continue drilling out on third plug, fell thru @1328'. Tagged 4th, plug @ 1940' fell thru @ 2170', Tagged 5th., plug @ 4850' drill out down to 4914' circulate hole clean. S/I.

**Day 10, 9/17/2014** - Open up well. No pressure, continue drilling out cmt. From 4914' down to bottom of plug @ 5120' went down to tagged next plug @ 7836' plug was not there, went down to try to tagged plug at 8576' we did not have enough tbg. Circulate hole clean, POOH, laid down 195 jts. of 2 3/8, close well, S/I.

**Day 11, 9/18/2014** - NO ACTIVITY ON WELL TODAY, WORKING ON PULLING UNIT.

**Day 12, 9/19/2014** - Open up well, no pressure on well, finish laid down 2 3/8" working string, stand drill collars. RU wire line RIH W/ wire line tagged at 9330' (do not know what's there) RIH W/ cmt. Log tool went to 8300' did cmt log between 4 1/2" and 7". To verified free csg, and cutting points recommended cut as follows: 1st 7810'; 2nd 5110'; 3rd 5195'; 4th 2190; 5th 1850'; 6th 1090'; 7th 630' - total of 7 cuts. POOH with wire line. RIH w/ csg cutters - cuts first 5 cuts, did not have enough cutting shoots. S/I (Released 2 3/8" working string).

**Day 13, 9/22/2014** - Open well up, RIH made 6th. At 1090' And 7th. At 630' Csg. Cuts, Rig down Wire Line, RIH w/ a 3 1/2" spear, fish 4 1/2" POOH w/ 14 jts ( 560') laid down csg. RIH w/ 6 1/8" shoe, 10 jts 6" wash pipe, 4" jars, 6 4 1/8" drill collars and 4" accelerator, 4 jts 2 7/8" tbg. tagged cmt, plug at 664' wash out 6' total of 670', shoe cannot make more hole, (according with cmt log there is a csg collar on spot) POOH with Tools, can't break loose wash pipe, have to order casing tongs. S/I.

**Day 14, 9/23/2014** - Pooh w/ wash pipe, found a piece of csg shoot rod inside wash pipe, change out shoe RIH w/ 6 1/8" shoe, 4, 6" jts of wash pipe, 4" jars, 6, 4 1/8" drill collars and 4" accelerator, and 2 7/8" pipe went back to 670' continue washing over on 4 1/2", drill out only 4' in 4 hrs. talk to Toben Scott. POOH w/ 2 7/8" N 80 working string released 2 7/8" N 80 tbg. bring 8000' of 2 7/8" drill pipe for more tbg weight, pick up 10 jts of 2 7/8" drill pipe continue washing over. Wash to 680' for a total of 10' today, circulate clean. S/I.

**Day 15, 9/24/2014** - Open up well, tagged plug at 680' continue wash to 699' can't make no hole POOH, change out shoe went back in hole, wash down to 709' circulate hole clean. S/I.

**Day 16, 9/25/2014** - Drove to location, held five minutes safety meeting, open well, wash from 708' to 714', could not make any hole, POOH, change shoe, run 10 jts. Wash pipe 4 1/4" jar 6, 4 1/8" drill collars 6 jts 2 7/8", wash from 714' down to 723'. S/I.

**Day 17, 9/26/2014** - Drove to location, held tail gate safety meeting Open well continue washing over 4 1/2" could not make any hole POOH pick up 5 3/4" overshot with 4 1/2" grapple run 4 1/4" bumper sub 4 1/4" jar, 6, 4 1/8" drill collars 4 1/4" acc 13 jts of 2 7/8" AOH pipe latch on fish, rig up wire line try to back off pipe at 670' POOH with 50' of 4 1/2" casing, close well S/I.

**Day 18, 9/29/2014** - Drove to location, held 5 min safety meeting (H2S) Open well pick up 6" outside cutter 2 jts 6" wash pipe 4 1/4" jars 6, 4 1/8" drill collars 4 1/4" acc RIH try to cut at 709' POOH RIH with 4.87 spear tag at 709' POOH with 1 jt of 4 1/2" csg. RIH open ended run to 757' POOH pick up 6 1/8" concave mill RIH tag at 705' wash to 710' mill to 713" could not make hole. S/I.

**Day 19, 9/30/2014** - Drove to location, held five minute safety meeting (pinch points) Open well laid down swivel POOH Pick up 6 1/8" shoe 2 jts of 6" wash pipe 4 1/4" jar 6, 4 1/8" drill collars 4 1/4" acc tag at 716' wash down to 721', circulate hole clean. S/I.

**Day 20, 10/01/2014** - Drove to location, held five min. safety meeting (back safety) Rig up casing jacks pull on casing, pulled free - drug 10' & POOH lay down 20' piece of 4 1/2" csg. Pick up 6 1/8" metal muncher mill. RIH tagged at 720' mill to 738' circulate hole clean, shut in.

**Day 21, 10/02/2014** - Drove to location held five min. safety meeting (H2S) open well, continue to mill on csg. From 738' down to 743' swivel broke down, wait on new swivel, rig up new swivel continue to mill on csg. To 748' circulate hole clean. S/I.

**Day 22, 10/06/2014** - Drove to location, held 5 min. safety meeting, "be careful laying down tools". POOH pick up 6 1/16" pilot mill 6, 4 1/8" drill collars 4 1/4" jar, 4 1/4" acc. tagged at 752, start to mill made 6" run sweep circulate bottom up POOH, check mill out; pick up 6 1/16" pilot mill 6, 4 1/8" drill collars 4 1/4" jar, 4 1/4" acc. drill 2' POOH laid down tool pick up 6 1/16" piranha mill 6, 4 1/8" drill collars 4 1/4" jar, 4 1/4" acc. tag at 753' begin to mill.

**Day 23, 10/07/2014** - Continue to mill, mill to 758' POOH laid down tools pick up 6 1/8" shoe, 6 jts wash pipe, 4 1/4" jar, 6, 4 1/8" drill collars, 4 1/4" acc tagged at 758' wash to 777'.

**Day 24, 10/08/2014** - Wash from 777' to 781'. Circulate hole clean POOH pick up 6 1/8" shoe, 6 jts wash pipe, 4 1/4" jar, 6, 4 1/8" drill collars, 4 1/4" acc tagged at 780' wash to 789' POOH pick up 6 1/8" shoe, 6 jts wash pipe, 4 1/4" jar, 6, 4 1/8" drill collars, 4 1/4" acc tagged at 789' begin washing.

**Day 25, 10/09/2014** - Wash to 795' circulate hole clean, POOH pick out side cutter RIH tag @ 793' make cut POOH with 1 jt of 4 1/2" csg. RIH With 6 1/8" metal muncher mill, tag @ 793' start milling mill to 794', plug off POOH clear plug, RIH With 6 1/8" metal muncher mill, wait for return pit and pump, rig up return pit and pump.

**Day 26, 10/10/2014** - TAG @ 794, Begin milling - mill to 837'.

**Day 27, 10/13/2014** - POOH, wait for mill. Pick up 6 1/8" metal muncher RIH tagged at 834' wash down to 837' begin milling mill to 852'.

**Day 28, 10/14/2014** - continue milling from 852', mill to 874' circulate hole clean, POOH pick up a shoe RIH tagged at 874' begin washing over wash to 878'.

**Day 29, 10/15/2014** - Continue washing from 878', Wash down to 886' POOH laid down tools. Pick up 5 3/4" overshot latch on POOH (fish 6' 4 1/2" csg. Stub that was above a collar) pick up 5 3/4" overshot, latch on jar grapple loose, POOH pick up 5 3/4" overshot with 4 1/2" grapple, latch on to fish cannot get casing jacks POOH pick up a 6 1/8" metal muncher RIH, tagged at 877' begin to mill. Mill to 881', continue to mill.

**Day 30, 10/16/2014** - continue to mill to 885', POOH laid down tools, pick up shoe RIH tag at 885' start to wash over POOH laid down tools pick up 5 3/4" overshot RIH tag at 885, latch on jar fish come free, POOH fish fell out, pick up spear RIH could not jar loose, no casing jacks available, POOH laid down tools.

**Day 31, 10/17/2014** - finish POOH pick up 6" shoe TIH tag @ 893' start to wash to 1090' POOH. Pick up spear TIH. Spear fish, POOH lay down csg, pick up 6" shoe TIH tag @ 900' swivel up clean 2', continue trip tag @ 1090' begin to wash over. Wash down to 1106' - shoe will not make more hole POOH.

**Day 32, 10/20/2014** - finish POOH pick up 6" shoe TIH tag @ 893' start to wash wash to 1090' POOH. Pick up spear TIH spear fish, POOH lay down csg, pick up 6" shoe TIH tag @ 900' swivel up clean 2', continue trip tag @ 1090' begin to wash over. Wash down to 1106' shoe will not make more hole POOH.

**Day 33, 10/21/2014** - POOH change shoe, TIH wash from 1117' to 1126' circulate hole clean, POOH pick up spear TIH tag top of fish, @1090' POOH recover 1 jt of 4 1/2" csg. pick up new shoe, 2 jts of 6" wash pipe, 4 1/4 jar 6, 4 1/8" drill collars 4 1/4 acc tag 1126' wash to 1135'.

**Day 34, 10/22/2014** - Wash from 1135' to 1137' shoe wore out circulate clean POOH change shoe TIH tag @ 1137' wash to 1142' shoe wore out POOH change shoe TIH tag @ 1142' begin washing over wash to 1158'. POOH.

**Day 35, 10/23/2014** - Change shoe run 2 jts. 6" wash pipe TIH tag @ 1158', begin to wash over wash to 1167' shoe wore out POOH pick up outside cutter TIH tag @ 1167' make cut.

**Day 36, 10/24/2014** - Lay down 41.55' of fish, pick up 6 1/8" metal muncher TIH tag at 1167', begin to mill, mill to 1177' circulate hole clean POOH pick up 6 1/8" shoe TIH tag @ 1177' begin to wash over. Wash to 1195'.

**Day 37, 10/27/2014** - Washed down to 1198' POOH. Pick up shoe TIH tag at 1198' begin to wash over. Wash to 1217'.

**Day 38, 10/28/2014** - Washed down to 1229' circulate well POOH wash from 1229' to 1242'. POOH change shoe TIH start washing.

**Day 39, 10/29/2014** - Wash to 1255', shoe wore out circulate clean POOH change shoe. TIH tag @ 1255', begin wash over washed to 1265', shoe wore out POOH - change shoe RIH.

**Day 40, 10/30/2014** - Tag at 1265' begin to wash over wash down to 1285' POOH change shoe tag @ 1284' begin to wash over wash to 1289'.

**Day 41, 10/31/2014** - Wash down to 1294' POOH pick up spear TIH tag @ 2150' engage POOH lay down 1 jt of 4 1/2" csg. Pick up 6 1/8" metal muncher mill TIH tag @ 1292' mill to 1309'.

**Day 42, 11/03/2014** - Continue to mill, to 1312'. POOH change mill. TIH tag at 1312' begin milling shut down 1 hr let lightning pass. Milled to 1325' POOH pick up 6 1/8 shoe TIH.

**Day 43, 11/04/2014** - tagged at 1325', begin wash over wash down to 1387', circulate hole, POOH lay down tools pick up spear TIH tag at 1325'. POOH lay down 12 jts of 4 1/2" csg. Pick up 6 1/8" shoe 2 jts of wash pipe, 4 1/4" jar, 6, 4 1/8" drill collars. 4 1/4" acc tag at 1859' wash to 1868' shoe wore out, circulate well POOH.

**Day 44, 11/05/2014** - Change shoe TIH tag @ 1868' begin to wash over to 1874' POOH. Pick up spear TIH. POOH change spear. Latch on POOH. Pick up spear TIH. Latch on jar on csg. POOH pick up shoe TIH. Tag at 1874' begin to wash over. Washed to 1879' shoe wore out POOH.

**Day 45, 11/06/2014** - Pick up shoe TIH & tag @ 1879' begin to wash over. POOH to change shoe washed to 1905'. Change shoe. TIH.

**Day 46, 11/07/2014** - tag @ 1905' begin to wash. Washed to 1910' circulate well POOH. Change shoe TIH - tag 1910' begin to wash over. Wash down to 1916', shoe wore out circulate clean POOH. TIH with new shoe tag @ 1914' begin wash down.

**Day 47, 11/10/2014** - Washed down to 1922', circulate well POOH. TIH with spear & latch on POOH lay down 1 jt of 4 1/2" csg. Pick up shoe TIH tag @ 1920', begin to wash over. POOH wash down to 1945'.

**Day 48, 11/11/2014** - TIH w/ new shoe. Shut down for rig repair. Finish TIH & tag @ 1945' begin to wash over. Wash down to 1950' - shoe wore out POOH. Changed shoe TIH & tag at 1949' begin to wash over - down to 1959', continue to wash.

**Day 49, 11/12/2014** - Wash down to 1960' POOH. TIH with spear - tongs broke down shut down to repair. Tag Top of fish @ 1916', latch on POOH. Laid down 1 jt of 4 1/2" csg. TOF is at 1958', pick up 6 1/8" metal muncher TIH. Mill to 1968' POOH. Change mill TIH & tag @ 1968' - begin to mill.

**Day 50, 11/13/2014** - Milled to 1970' continue to mill - milled to 2013' - continue to mill.

**Day 51, 11/14/2014** - Milled to 2020', circulate well POOH. Change mill TIH & tag @ 2020'. Begin to mill at 2018' - milled to 2026'. Stop making hole milled to 2040' circulate well POOH. Change mill TIH & tagged @ 2024' - circulate hole continue to mill to 2032' - not getting full returns.

**Day 52, 11/17/2014** - Continue to mill 2036' - still same spot circulate well POOH. Look at mill. Pick up 6 1/8 shoe run 2 jts wash pipe 6, 4 1/8" drill collars & tag @ 2036' wash to 2039'. POOH look at shoe. Pick up 6 1/8" metal muncher TIH & tag @ 2036', begin to mill.

**Day 53, 11/18/2014** - Continue to mill - mill to 2059', circulate hole, POOH. Change mill. TIH & TAG @ 2059', mill to 2065'.

**Day 54, 11/19/2014** - Continue milling from 2065' - milled to 2078', circulate well clean POOH. Change mill TIH & tag at 2078' begin to mill - not getting returns - circulate well clean.

**Day 55, 11/20/2014** - Well circulated begin to mill. Mill to 2084' mill wore out - POOH look at mill. Pick up 6 1/8" metal muncher mill TIH & tag @ 2084' begin to mill - mill to 2088'. POOH to fix BOP. BOP fixed TIH & tag @ 2086' begin to mill - milled to 2089' mill wore out POOH. Change mill TIH & tag @ 2082' begin to mill.

**Day 56, 11/21/2014** - Milled to 2090'. Circulate well POOH. Pick up 6 1/8" shoe with inserts TIH & tag @ 2090', circulate hole - begin to wash over - wash to 2100'.

**Day 57, 11/24/2014** - POOH pick up 6 1/8" shoe TIH. Wash to 2104' POOH. Pick up 6 1/8" shoe TIH, tag at 2092' walk over tag at 2104' & wash to 2123'. POOH.

**Day 58, 11/25/2014** - TIH with spear & latch on gained 2 points POOH. TIH with mill & tag @ 2122', begin to mill - milled to 2145' - mill wore out POOH. Change mill TIH & tag @ 2145', begin to mill.

**Day 59, 11/26/2014** - MILL TO 2164'. Circulate well. POOH with 8 stands got stuck could not get free - close well in wait for wire line.

**Day 60, 12/01/2014** - Drove to loc. Held a 5 min. safety meeting H2S gas. Rig up wire line, TIH back off @ 1620' POOH. Pick up 2 7/8" to see if screw in sub, run 4 1/4" bumper sub 4 1/4" jar 6 4 1/8" drill collars 4 1/4" acc TIH tag @ 1620'. Screw in fish bump fish loose POOH. Pick up 6 1/8" shoe run 2 jts. Wash pipe tag @ 2160' - wash to 2170'.

**Day 61, 12/02/2014** - Wash from: 2170' to 2181' fell out, went to 2226' circulate well clean. Pick up spear with 3.947 grapple run 4 1/4" bumper sub 4 1/4" jar 6, 4 1/8" drill collars 4 1/4" acc TIH, tag @ 2164' latch on fish POOH. TIH with same tools tag @ 2190' latch on fish POOH & lay down 70 jts of 4 1/2" Csg.

**Day 62, 12/03/2014** - Pick up 6 1/8" shoe run 2 jts of wash pipe 6 4 1/8" drill collars, 153 tjs of 2 7/8" AOH pipe tag @ 5110' walk over fish tag @ 5130' start washing, wash to 5138'. POOH change shoe. TIH & start to circulate and wash over - wash to 5141'.

**Day 63, 12/04/2014** - Continue to wash to 5144' - circulate well clean POOH. Pick up outside cutter TIH & tag @ 5144', start to make cut @ 5140' - would not make cut POOH. Pick up spear TIH & tag @ 5110', engage spear POOH & lay down 21 ft of fish, at parted collar. Pick up 6 1/8" metal muncher TIH.

**Day 64, 12/05/2014** - Tag at 5131', begin to mill - make connection continue to mill 5143'; continue to mill 5150'. Quit making hole - circulate well POOH from 5156'. TIH with new mill & Tag at 5131', begin to mill - continue to mill 5157'

**Day 65, 12/08/2014** - Continue milling to 5162' - circulate clean and shut in. Open well continue to mill to 5177' - circulate well, POOH.

**Day 66, 12/09/2014** - Finish POOH tongs broke, shut down for Rig maintenance. Tongs fixed, pick up 6 1/8" metal muncher TIH & tag @ 5174'. Begin to mill - milled to 5182' mill wore out, POOH. Change mill TIH & tag @ 5178' - begin to mill.

**Day 67, 12/10/2014** - Mill to 5186', POOH. BOP leaking, hydraulic pump went out shut down for repairs - fixed hydraulic pump - fix BOP. BOP fixed, Pick up 6 1/8" shoe TIH & tag @ 5184', circulate well begin to wash over.

**Day 68, 12/11/2014** - washed to 5198', shoe wore out POOH. Pick up 6 1/8" mill TIH & tag @ 5186', begin to mill - milled to 5196', circulate well POOH. Change mill TIH & tag @ 5194', begin to mill.

**Day 69, 12/12/2014 (12:01 am)** - Continued to mill @ 5205'.

**Day 70, 12/15/2014** - Circulate well POOH, milled to 5212', POOH. Pick up 6 1/8" metal muncher TIH & tag @ 5212' begin to mill - milled to 5231', mill plugged off POOH.

**Day 71, 12/16/2014** - Lay down mill - pick up 6 1/8" shoe TIH & tag @ 5230'. Wash over fish TIH to 5297' POOH - lay down shoe. Pick up 5 3/4" overshot TIH & latch on POOH - lay down fish, TIH with overshot & tag @ 5240' latch on POOH.

**Day 72, 12/17/2014** - Finish lay down 4 1/2" casing, pick up 6 1/8" bit and scraper TIH & tag @ 7810' POOH.

**Day 73, 12/18/2014** - Open up well, RIH with 7" plug & packer, set plug @ 7460' test plug to 800# set packer @ 5241'. Test cgs. to 800#, interval test good. Unset packer set on top of perf at 5209.5' test csg. To 750#, perfs are holding, csg tested good. Unset packer went back down to 7460' get plug, had trouble getting plug unset, finally got plug released after working with it for almost 2 hrs. POOH to 5241' set plug. S/I.

**Day 74, 12/19/2014** - Open up well, POOH set packer on top of perf on plug 4, @ 2153' test csg to 750#. Csg. test good. POOH to change packers. RIH to top of perf on plug 6, set packer at 895', test csg. To 750# csg. - test good. POOH to bottom of perfs on plug 7, set packer @ 100' load csg. Start to circulate to surface up on 9 5/8" csg. Found hole - went down to try to isolate hole, did set packer at 495', 682', 714' csg. Didn't find hole - went down set packer 777', test csg. to 750# - csg test good. Moved packer up to 735', pump on tbg. Rate was 4.5 bpm. @ 480#. Isolated hole from 777' to 735'.

POOH to get retrievable head, RIH to 5241', latch on plug release plug & POOH to set plug at 735'. POOH to get packer. RIH with packer set it 100' from surface, csg did not test, circulated & set packer at 166', 230', 545', 672' csg. - did not hold. Set it last time at 703', csg test it to 750# - it held. Ok plug is holding. S/I.

**Day 75, 12/22/2014** - Called out pump truck to fill casing. RU Capitan Wireline. Ran GR/CCL/Radial Bond Log from 7450'-Surface. TOC=3850'. LD Wireline Tools. PU 7" CIBP. RIH. Set CIBP @ 7462'. POOH. RIH w/ cmt. dump bailer. Dump bail 4 sx cmt. TOC=7442'. POOH. RD Wireline. PU 7" overshot on 1 jt. 2-7/8" DP & swivel. Had trouble swallowing 7" csg. stub just below cellar floor. LD 2-7/8" DP. PU 3-1/2" drill collar. Latch onto 7" csg. stub. Pulled 50K, slipped off. Checked OS grapple. Grapple broke. LD tools. Waited on csg. spear. RIH w/ spear on 2-7/8" DP. Tack-welded connection. RU wireline. Ran free-point @ 270'-- 100% free, @ 528'--100% free, 801'--30% free, @ 790'--50% free. Zero torque @ 398', 40% torque @ 790' w/ 1/2 turn on DP. POOH. w/ wireline. Pulled 50 pts. on csg. POOH w/ tools. Shut Down For Night.

**Day 76, 12/23/2014** - RU Capitan Wireline. RIH w/ 5.80" Spectra-Cutter. Pulled 50K tension on 7" csg. Cut 7" casing at 783'. Showing 26K on weight indicator. POOH LD wireline tools. RU Smith casing crew. 17 jts. 7" csg. Filled reverse pit to circulate hole. SDON.

**Day 77, 12/26/2014** - Trucks to pick up 4-1/2" recovered csg. & forklift arrived on location. Load out 166 complete jts. 4-1/2". Load 16 shaved/cut jts./pieces. Truck delivered 1409' (31 jts.) 7" 26# New J-55 8-rd LT&C casing. Unload on racks. Released BOP, spools, & hydraulic closing unit to Slingshot. Backhoe & roustabout crew arrived on location. Trans-Tex Cementers arrived on location. SK Supply DV Tool operator and tool arrived on location. Notes: Pipe cut depth = 781'. Total new replacement 7" 26# J-55 casing on location=771.25'. Pulling unit crew broke for lunch. MIRU Smith casing crew. PU 7" Lead Bowl Casing Patch (2.0') , & 7" DV tool (2.18') on 17 jts. 7" 26# 8-rd csg. RIH & tagged 7" csg. stub at 781' w/ jt. #17. Bowl wouldn't slide over. Spudded on csg. stub, slid over. Pulled 80K (70K over str. wt.) to engage. Slack off to neutral. MIRU Trans-Tex Cementers. Tested lines to 2500#. Drop bomb to open circulating ports on DV tool. Open tool & establish circulation rate of 1 bpm at 600#. Pumped 20 bbl FW spacer ahead @ 3 bpm @ 300 psi. Mixed & pumped 120 sx "C" Neat ( 28.21 bbls), 14.8 ppg, 1.32 yld, 6.3 gal/sx water. SD. Dropped wiper plug. Displace cement w/ 29.5 bbls @ 3bpm @ 390 psi. Bumped plug w/ 1980#. Bled back 1/2 bbl. Circulated 25 sx to surface. Cement returns 4 bbls before plug bump. Pulled 80K into pipe to try to retrieve slips. No luck. Remove tbq. head valves. Wash out wellhead with fresh water. Rinse out with diesel. SDON.

**Day 78, 12/29/2014** - Crew to location - hold safety meeting - Wait on welder and vacuum truck - Cut off 7" casing - install 11"-3K X 7 1/16"-5K wellhead - NU BOPE - GIH w/ 6 1/8" bit - tag DV tool @ 789'. Rig up power swivel - Drill DV tool and cement - Work bit through DV tool and casing patch 15 times to clean up and dress off - RD swivel - SDON.

**Day 79, 12/30/2014** - Crew to location - hold safety meeting. Continue in hole w/ 6 1/8" bit - tag solid @ 2400' - attempt to work bit past tight spot. RU power swivel and pump - wash and ream through tight spot 2400' - 2403' - Circulated large quantity of metal shavings out of hole - pump sweep and circ clean. Continue in hole - tag CIBP (cement on top) @ 7422'. RU & Circ hole clean. Lay down workstring. SDON

**Day 80, 12/31/2014** - Crew to location - hold safety meeting. Finish laying down workstring and drill collars. ND BOPE. Secure well. RDMO - Released all rental equipment.