Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 10 2012
Farmington Field Office
Bureau of Land Management

FORM APPROVED
OMB No 1004-0137
Expires October 31, 2014

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 page 2*

5 Lease Serial No
NMSF079600

6 If Indian, Allottee or Tribe Name

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

1 Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8 Well Name and No
CW Roberts #6A

2 Name of Operator
Four Star Oil & Gas Company

9 API Well No
30-39-22784

3a Address
332 Road 3100
Aztec, NM 87410

3b Phone No *(include area code)*
505-333-1901

10 Field and Pool or Exploratory Area
Lindrith Gallup-Dakota West & Blanco Mesaverde

4 Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
1660 FNL, 820'FWL Sec 18 Twp 25N Rng 3W

11 County or Parish, State
Rio Arriba, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☑ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☑ Subsequent Report BP	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

6/19/2012
RU Pump and lines, Lay lines to flowback tank.
Check well, SITP - 25 psi, SICP - 65 psi, Bradenhead - 0 psi, Open well to flowback tank. Note: Csg head valves were frozen shut, work to open valves Unseat pump, LD PR, POOH w/32 7/8" rods. Rods do not have a heavy paraffin coating on them. Working rods. Note: No Hot Oil Units Available this A.M. Rods became stuck, Hot work permit, RU Hot Oil Unit, pump 60 bbls down csg, rods still stuck, Pump down tbg w/ 40 bbls hot 2% KCL. Did not pressure up, tbg on vacuum. RU to back off rods, Apply 18K Tension on rods, Backoff rods, Weight indicator shows 1000 #'s. LD one rod, PU PR & Stuffing box, Secure well, SDFN.

RCVD AUG 14 '12
OIL CONS. DIV.
DIST. 3

6/20/2012
Check well, SITP - 0 psi (vac), SICP - 10 psi. Open well to flowback tank.
POOH w/ rods to break, Total rods recovered - 99 - 7/8", 8 - 3/4", Box recovered, pin looking up.
PU tbg handling equipment. ND WH. Release TAC. Reland hangar.
NU BOP's, RU Floor, Tongs, Set Hydrawalk, Test BOP's, pipe, blind & TIW,250 psi/ 1500 psi.
Set pipe racks, POOH, LD Hangar, Install Stripper POOH, LD 2 3/8 prod tbg, Dragging first 10 jts. LD 93 jts tallying 2980 ft, Did not find top of rods. Had recovered 107 rods x 25 =2675' (305' past calculated rod top). POOH w/ additional 7 jts, Total of 3204' tbg pulled, no rods found. Discuss options. PU rod handling tools. Secure well, SDFN.

Remainder of procedure and wellbore schematic on subsequent pages.

14 I hereby certify that the foregoing is true and correct Name *(Printed/Typed)*
April E. Pohl
Title Regulatory Specialist

Signature April E Pohl
Date 8/9/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by
Title
Date AUG 13 2012

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
FARMINGTON FIELD OFFICE
BY

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

(Instructions on page 2)

NMOCD

CW Roberts #6A API 30-039-22784

6/21/2012

Check well, SITP - 5 psi, SICP - 15 psi, Open well to flowback tank, Change pads on weight indicator

Change out to 2 3/8 handling equipment, PU on tbg, Weight 11K, Should show 22K weight of remaining tbg. POOH, LD tbg. Tally out. Pulled 173 jts and one piece of jt, Total - 5522', In hole to fish, 206 - 3/4" rods, 76 jts 2 3/8" tbg + muleshoe

Offload workstring on extra pipe racks, Load trailer w/ pulled prod tbg, Offload 2nd truck on to pipe racks. Offload fishing tools PU & RIH w/ Skirted overshot, 6 1/8" OD, XO, String Float, XO, 2 3/8 L80 workstring, RIH, start taking wt @ 1949' , 1' in on 62 jts, String wt - 8000, PU to 12000,

POOH slowly, wt rose to 20K and fell back to 12K, POOH w/ 41 jts. Secure well, SDFN.

6/22/2012

Check well, SITP - 15 psi, SICP - 15 psi. Open well to flowback tank.

POOH w/ 20 jts 2 3/8" tbg to fish Breakdown fishing tools.
RU to pull rods, POOH, LD 64 - 3/4" rods and 1/2 rod. 140.5 rods left to recover. Parted corkscrewed 3/4" rod will be fishtop. New fishtop @ 3561

RIH w/ fishing tools on 2 3/8" tbg, RIH w/ rods out of derrick, POOH, LD rods, NU annulars.

RIH w/ overshot BHA on 94 jts to 2992'.

RIH w/ rods in derrick, 34 triples. POOH, LD rods, RD rod handling equipment. PU tbg elevators.

ND Stripper head, RD Floor, NU annulars, RU Floor. NU Stripper, RU Tongs.
PU & RIH w/ 2 3/8" workstring, found fish top @ 3505' (15' in on jt 111), String wt - 13000, work overshot, no indication of catching fish, LD one jt, Secure well, SDFWknd

6/25/2012
Engage fish w/ 6-1/8" OD cut-lip, 1-1/2" sleeve & overshot - kelo socket (5' in on jt #111). Failed to catch on several attempts. POOH. Visible marks where rod top was too large (bent) to enter sleeve.

Change sleeve to 3-1/2" ID. RIH & made several unsuccessful attempts. POOH. No fish.

PU bumper-sub, jars & six 3-1/8" nominal collars (calipered: four 3" & two 3-1/16" collars). Total BHA & KB is 208'. TIH to fish.

Attempt to penetrate fish top & wrap onto spear. TOH w/ fish. LD 30 rods, a piece on top & a piece on bottom.

6/26/2012

SICP = 30 psi.

PU spear & TIH. Continue TIH w/ stands after rig repair. PU 19 joints. Engage fish @ 4282'.

Wrap rod top into spear. Pull max of 8000 lbf then dropped off. TOH.

Pull 9 stands & BHA. No fish. TIH & engage fish @ 4282'. Wrap rod top into spear more aggressively than first attempt of today. Pull jars up slowly for a smooth release. Worked up to 27K over & pulled free or parted. POOH @ 4-5K over.

TOH 20 stands slowly (remaining: 44 stands, single, & BHA).

6/27/2012

SICP = 50 psi. Continue to TOH.
RU to pull rods. Caliper elevators. Rod load is pulling @ 2000 lbf. LD forty-nine 3/4" rods and 2 pieces. New rod top is 5532" (4282 tag + 1250'). Tubing top is 5521' (tally). Remaining rods = 60; remaining tubing is 76 jts. Rod top is 11' deeper than tbg top.

RD rod elevators / tongs. RU tbg elevators / tongs. MU BHA.

TIH w/ overshot, jars, bumper-sub & six collars. Tag top of fish @ 5529'.

Engage fish. Attempted to dress top of fish. Not able to swallow fish w/ overshot. Pull up above perfs.

6/28/2012

SICP = 30 psi.

TOH & break-off overshot. Wear pattern shows rod blocked tubing from entering overshot.

MU skirted mill. TIH w/ stands.

RU swivel. Break circulation - minimum 12 bbls water/hr for cooling mill & cleaning hole.

PU single & tag. RU swivel. Pressure test air/foam line. Blow-down well & establish circulation.

Mill on fish from 5534 to 5538' (target is 5545'). Circ hole clean. Hang swivel. RU tongs. Pull 5 stands.

6/29/2012

SICP = 250 psi.

Send 80 bbl water from flowback to disposal. PU swivel. Unload & blowing down well.

Mill on fish. No progress depth wise but producing fine cuttings (rod cuttings). Shut down air/foam. Send 80 bbls flowback to disposal (Total = 160 bbls).

Hang swivel & TOH. Minimal wear on skirt, excessive wear on concave mill. Two of three fluid ports were plugged w/ rod pieces.

Break-off skirted mill. MU overshot. TIH 43 of 84 stands.

7/2/2012

SICP = 290 psi. Continue TIH w/ overshot. Engage fish @ 5539' swallow same.

TOH. Had ~2' piece of tubing (length of mill to bottom of skirt ~ 2', piece had cutrite marks on it).

TIH w/ overshot.

Continue to TIH w/ overshot.
Tag fish @ 5535'. Latch fish @ 5539'. Work up to 40k over to set grapple (work-string weight by weight indicator 23K). Attempted to release TAC w/ up to 14 rounds @ neutral (~12 back) 35k, 45k, and 59k overpull. Max pulled 82K. Jars were not operating properly.
Total fish length to TAC is 2181'.There are rods in the tubing.

Back-off grapple & pull 5 stands.

7/3/2012

SICP = 60 psi TOH & break-off tools. Replace jars, install new grapple, and TIH.

Engage fish @ 5539'. Make one attempt at releasing TAC unsuccessful. Pull 55K over & hit jars. Pull 65K over & hit jars. Pull 70K over & hit jars. Pull 75K over and hit jars. Fish came free. Initially pulling @ 50K (26K over).

Pulling fish w/ ~ 20K drag over string weight. Pulled 15 stands + 10' & got stuck. Jarring at 30 - 35K over, came loose, continued out of hole to surface. Rack-back drill collars. LD jars & overshot w/ piece of fish. Fish in slips has piece of rod sticking-up. Cut off rod, install TIW & shut well in. Fish weight is12K by indicator.

7/5/2012
RU & back-off rods. LD 56 rods, bad rod corrosion area 35-40 rods above pump. RU tbg elevators & LD 72 joints of bent, corroded, cork-screwed, & scaley tubing. Pump stuck in scale in joint #220 of #242.
Continue LD remaining tubing. Heavy scale @ SN. Total string: 242 jts 2-3/8" J55, TAC, 5 jts, SN, 1 joint, 3' perf sub, bull plugged joint.

PU 7" scrapper w/ 6-1/8" bit, sub w/ float. TIH 15 stands.

Load numbered jts 175 through 242 rack to float. Load rods on float.

7/6/2012

Continue TIH w/ 7" casing scrapper to TOL (5967').

TOH. LD scrapper.

MU 3-7/8" bit, sub-float. TIH to 4000'. Attempted to unload well. Fluid level is below 4000'.

Continue to TIH to TOL. Enter liner. Unload well to flowback. Pull just above liner.

7/9/2012

Check well pres. (Tbg. has float) SICP 380 psi. Bleed down gas pres. to blow down tank. Caliper elevators. R/U drlg. rubber. P/U 1 jt. 2 3/8" WS to get inside 4 1/2" liner. RIH to 5970'. Unload hole w/ foam air.
P/U & RIH w/ 7 jts. 2 3/8" WS. Tag solid @ 6156'. R/U swivel. Brk. circ. w/ foam air. Rotate thru about 3' of wall scale. Cont. P/U & RIH w/ 2 3/8" WS. Tag solid again @ 7059'. Rotate thru about 2' of wall scale. Cont. P/U & RIH w/ 2 3/8" WS. Tag solid again @ 7894'. (Clean out TD in 1984' @ 7930').

R/D swivel. Pull bit above perfs. in 4 1/2" liner. SION

7/10/2012
Check well pres. (Float in tbg.) SICP 300 psi. Bleed off gas. Caliper elevators. RIH w/ 2 3/8" WS. Tag @ 7894'. R/U swivel. Brk. circ. w/ foam air.

C/O scale & hard fill from 7894' to 7909'. Btm. perf. @ 7906' (Quit making hole w/ bit). Circ. clean. R/D swivel.

POOH stand back 2 3/8" WS. L/D bit (All 3 cones very loose on bit).

RIH w/ 3 7/8" mill on 94 stands 2 3/8" WS to top of 4 1/2" liner. SION

7/11/2012
Check well pres. (Float in tbg.) SICP 190 psi. Bleed off gas. RIH from above 4 1/2" liner top w/ 3 7/8" mill on 2 3/8" WS. Tag fill @ 7909'. R/U swivel.

Perform weekly drills while breaking circ. w/ foam air.
C/O hard fill & scale from 7909' to 7938' (Quit making hole @ 7938' which is 8' deeper than the C/O in 1984). Circ. clean. R/D swivel.

POOH stand back 2 3/8" WS. L/D mill (Mill worn down about 60%).

RIH w/ 4 1/2" RBP & Pkr. on 2 3/8" WS to 1240'. SION

7/12/2012

Check well pres. SICP & SITP 200 psi. Bleed off gas. Caliper elevators. Cont. RIH w/ Baker 4 1/2" RBP & PKR. on 2 3/8" WS. Set RBP below Dakota perfs. @ 7922'. Pull up & set pkr. above Dakota perfs. @ 7640'.

R/U Halliburton to tbg. Test lines to 5000 psi. Acdz. Dakota perfs. 7740'-7906' as follows: Pump 500 gals. 2% KCL FW w/ 1 gal./1000 Losurf 300D @ 3 BPM 2181 psi. Pump 1400 gals. 15% FE-HCL @ 3 BPM 2458 psi. Pump 30 bbls. 2% KCL FW flush + 47 bbls. 2% KCL FW spacer @ 3 BPM 2730 psi. ISIP 1396 5 min. 1021 10 min. 806 15 min. 626. Scale sqz. Dakota perfs. Pump 20 bbls. 2% KCL FW w/ 0.1% Baker WLC821. Pump 2 bbls. 2% KCL FW w/ 10% Baker SCW356. Overflush w/ 444 bbls. 2% KCL FW @ 3 BPM 3000 psi. Shut well in. R/D Halliburton iron. Bleed off tbg. pres. to 0 psi.

Attempt to release Baker 4 1/2" pkr. w/ no success. Pkr. will come up hole but will not go back down. SION

7/13/2012
Check well pres. SICP 20 psi SITP (Slight Vac.). Bleed off gas. Caliper elevators. Release Baker 4 1/2" pkr. @ 7640'. RIH engage & release 4 1/2" RBP @ 7922'. Pull up & set RBP in blank pipe @ 7270' & pkr. @ 7265'. Pres. test tools to 1500 psi (OK). Pull & set pkr. @ 6820' isolating Gallup perfs.

R/U Halliburton to tbg. Test lines to 5000 psi. Acdz. Gallup perfs. 6865'-7164' as follows: Pump 500 gals. 2% KCL FW w/ 1 gal./1000 Losurf 300D @ 3.75 BPM 1800 psi. Pump 6000 gals. 15% FE-HCL dropping ttl. 229 MR 7/8" 1.18 SG Bio Balls (18 balls every 10 bbls). Saw ball action from 1920 psi to 2009 psi 2007 psi to 2038 psi 2028 psi to 2103 psi 2096 psi to 2154 psi 2041 psi to 2156 psi. Flush to top perf. w/ 28 bbls. 2% KCL FW @ 3.75 BPM 2160 psi. ISIP 573 5 min 330 10 min. 199 15 min. 111. Note: Takes 12 hrs. for Bio Balls to dissolve completely @ Gallup BHT of 150 degrees F. Leave Halliburton rigged up to cont. pumping Monday. SIOW

7/16/2012

Check well pres. SICP 150 psi SITP Vac. Bleed down csg. gas. Halliburton pump scale inhib. sqz. on Gallup perfs. 6865'-7164'. Pump 2000 gals. 2% KCL FW spacer. Pump 40 bbls. 2% KCL FW w/ 0.1% Baker WLC821. Pump 2 bbls. 2% KCL FW w/ 10% Baker SCW356. Overflush w/ 300 bbls. 2% KCL FW @ 4.8 BPM 2900 psi. Shut well in. R/D Halliburton iron. Tbg. on slight vac.

Caliper elevators. Rels. Baker 4 1/2" pkr. Let pkr. elements relax. RIH engage & rels. 4 1/2" RBP. POOH L/D 4 1/2" tools.

P/U Baker 7" RBP & Pkr. RIH on 25 stands 2 3/8" WS.

Cont. RIH. Set tools in blank pipe. RBP @ 5960' & Pkr. @ 5925'. Attempt to pres. test RBP w/ no success. Re-set tools higher. RBP @ 5944' & Pkr. @ 5914'. Attempt to pres. test RBP w/ no success. Re-set tools higher. RBP @ 5905' & Pkr. @ 5874'. Pres. test RBP to 1500 psi (Would not hold pres. but would pres. right back up to 1500 psi - call good - most likely pitted csg.). Pull & set pkr. @ 5200' to isolate Mesa Verde perfs. Load annulus w/ 2% KCL FW. Pres. test annulus to 500 psi (OK).

R/U Halliburton to tbg. Test lines to 5000 psi. Acdz. Mesa Verde perfs. 5250'-5861' as follows: Pump 500 gals. 2% KCL FW w/ 1 gal./1000 Losurf 300D @ 3.75 BPM 800 psi. Pump 900 gals. 15% FE-HCL @ 4.5 BPM 1866 psi. Pump 940 gals. 15% FE-HCL dropping ttl. 69 MR 7/8" 1.18 SG Bio Balls (10 balls every 3 bbls). Saw ball action from 1938 psi to 1954 psi 1941 psi to 2038 psi 2023 psi to 2083 psi. Flush to btm. perf. w/ 45 bbls. 2% KCL FW @ 4.5 BPM 2083 psi. ISIP 112 5 min. on vac. Leave Halliburton rigged up to cont. pumping scale inhib. sqz. in A.M. SION to let Bio Balls dissolve.

7/17/2012

Check well pres. SITP on vac. Halliburton pump scale inhib. sqz. on Mesa Verde perfs. 5250'-5861'. Pump 2000 gals. 2% KCL FW spacer. Pump 40 bbls. 2% KCL FW w/ 0.1% Baker WLC821. Pump 2 bbls. 2% KCL FW w/ 10% Baker SCW356. Overflush w/ 651 bbls. 2% KCL FW @ 5 BPM 2040 psi. Shut well in. R/D Halliburton. Tbg. on vac.

Change out both csg. valves w/ 2 1/16" 5K gate valves. Test to 500 psi (OK).
Set workstring floats. Set & level pipe racks. Caliper elevators. Rels. Baker 7" pkr. @ 5200'. RIH engage & rels. 7" RBP @ 5905'. POOH L/D 25 jts. 2 3/8" WS to get tools above perfs. SION

7/18/2012

Check well pres. 0 psi. Caliper elevators. POOH L/D 160 jts. 2 3/8" WS. L/D Baker 7" Pkr. & RBP.

RIH w/ 31 stands 2 3/8" WS out of derrick. POOH L/D remaining 62 jts. 2 3/8" WS.
Transfer workstring to floats. M&R haul 2 3/8" workstring to Knight yard. Spot 2 floats loaded with 2 3/8" prod. tbg. Transfer 2 3/8" prod. tbg. to pipe racks & tally. SION

7/19/2012

Check well pres. 0 psi Caliper elevators. P/U & RIH w/ 2 3/8" mule shoe mud anchor, 2 3/8"x3' new perf. sub, 2 3/8" new S.N., 7 jts. 2 3/8" new L-80 tbg., 4 1/2" new TAC, 2 jts. 2 3/8" new L-80 tbg., 2 3/8"x4' L-80 new marker pup, 239 jts. 2 3/8" new L-80 tbg., 2 3/8"x10' new L-80 pup, & 1 slick jt. 2 3/8" new L-80 tbg. Land on hanger.

R/D tbg. equip. & floor. NDBOP.
Take off hanger. Set 4 1/2" TAC @ 7661' w/ 15,000# tension. Put on & land center hanger w/ BPV profile. N/U seal sub. N/U 7 1/16" 3K top flange. WSI pres. test void to 2500 psi (OK). N/U pumping tee & BOP. Change over to run rods. Move out pipe racks & catwalk. Spot in rod float. SION

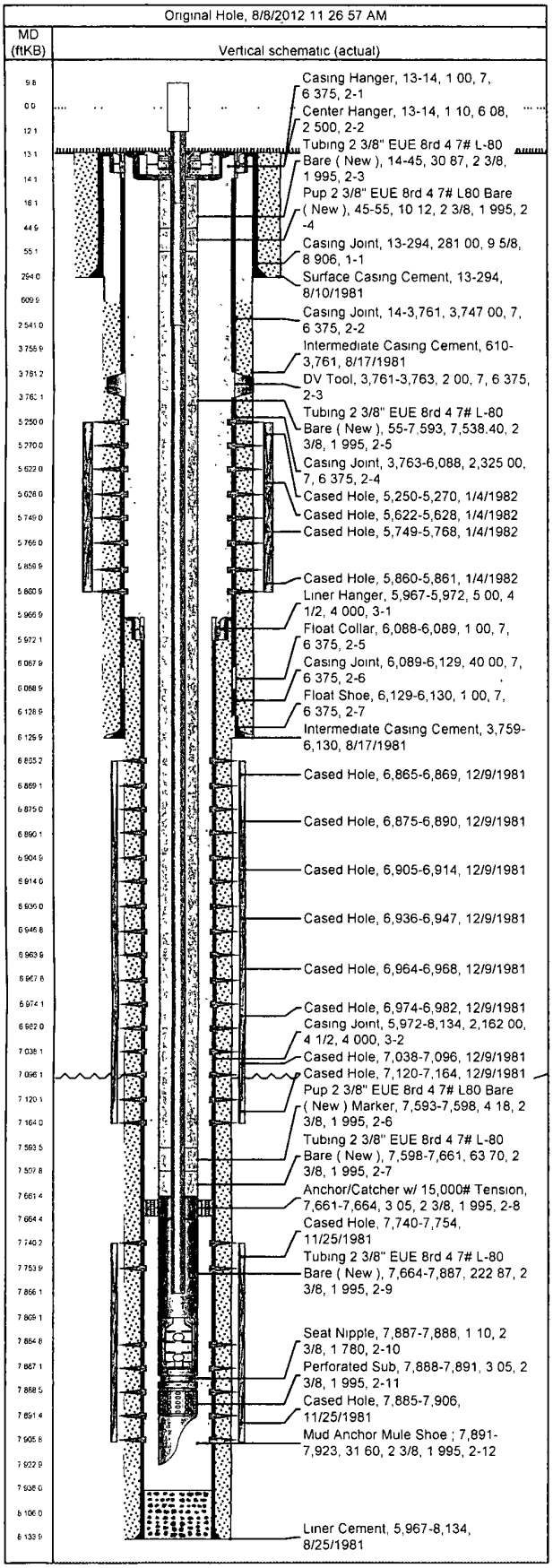
7/20/2012

Check well pres. 0 psi. P/U & RIH w/ 2"x1 1/4"x18' RHAC Insert pump #CX580, 2" stabilizer bar, 213 - 3/4" T-54 rods w/ W/FST & 101 - 7/8" T-54 rods w/ W/SHT. Space out w/ 1 - 7/8"x4' T-54 pony rod. Install stuffing box. Hang off rods w/ 1 1/4"x1 1/2"x22' polish rod Load tbg. Pres. test tbg. to 500 psi (OK). Long stroke pump (OK). Secure well.

RDMO

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
CW Roberts 06A	Roberts, C W.	Basin(New Mexico)	Mid-Continent/Alaska



Job Details

Job Category	Start Date	Release Date
Major Rig Work Over (MRWO)	6/18/2012	7/20/2012

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Surface	9 5/8	36 00	K-55		294
Production Casing	7	23 00	K-55		6,130
Production Liner 1	4 1/2	11.60	K-55		8,134

Tubing Strings

Tubing - Production set at 7,923.0ftKB on 7/19/2012 15:00

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing - Production	7/19/2012	7,923.04	7,923.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
KB					13 00	13 0
Center Hanger		6.078			1 10	14 1
Tubing 2 3/8" EUE 8rd 4 7# L-80 Bare (New)	1	2 3/8	4 70	L80	30.87	44 9
Pup 2 3/8" EUE 8rd 4.7# L80 Bare (New)		2 3/8	4 70	L-80	10.12	55.1
Tubing 2 3/8" EUE 8rd 4 7# L-80 Bare (New)	239	2 3/8	4 70	L80	7,538 40	7,593 5
Pup 2 3/8" EUE 8rd 4.7# L80 Bare (New) Marker		2 3/8	4 70	L-80	4.18	7,597.6
Tubing 2 3/8" EUE 8rd 4 7# L-80 Bare (New)	2	2 3/8	4 70	L-80	63 70	7,661 3
Anchor/Catcher w/ 15,000# Tension		2 3/8			3.05	7,664 4
Tubing 2 3/8" EUE 8rd 4 7# L-80 Bare (New)	7	2 3/8	4.70	L-80	222 87	7,887.3
Seat Nipple		2 3/8			1 10	7,888.4
Perforated Sub		2 3/8	4 70	J-55	3 05	7,891 4
Mud Anchor Mule Shoe		2 3/8	4.70	J-55	31.60	7,923.0
EOT						7,923.0

Rod Strings

7/8" & 3/4" T-54 on 7/20/2012 14:00

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
7/8" & 3/4" T-54	7/20/2012	7,897.00	7,887.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Polished Rod		1 1/4			22 00	12 0
Pony Rod		7/8	2 22	T-54	4 00	16.0
Sucker Rod	101	7/8	2 22	T-54	2,525.00	2,541 0
Sucker Rod	213	3/4	1 63	T-54	5,325.00	7,866 0
2" Stabilizer Bar					3 00	7,869.0
2" x 1 1/4" x 18' x 18'3" RHAC-Z Pump#CX580		2			18 00	7,887 0

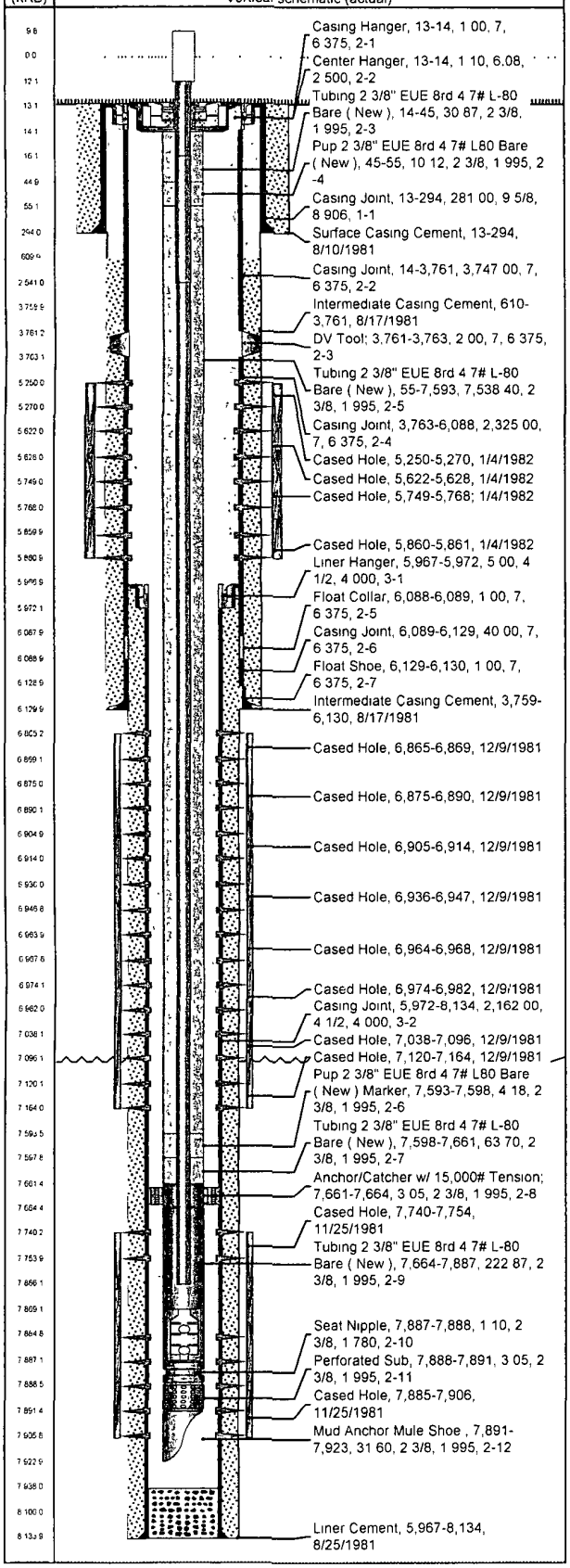
Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
1/4/1982	5,250.0	5,270 0	1 0	20	Mesa Verde, Original Hole
1/4/1982	5,622.0	5,628 0	1.0	6	Mesa Verde, Original Hole
1/4/1982	5,749 0	5,768.0	1 0	19	Mesa Verde, Original Hole
1/4/1982	5,860.0	5,861.0	1 0	1	Mesa Verde, Original Hole
12/9/1981	6,865 0	6,869 0	1.0	4	Gallup, Original Hole
12/9/1981	6,875 0	6,890 0	1 0	15	Gallup, Original Hole
12/9/1981	6,905.0	6,914 0	1.0	9	Gallup, Original Hole
12/9/1981	6,936.0	6,947.0	1.0	11	Gallup, Original Hole
12/9/1981	6,964.0	6,968.0	1.0	4	Gallup, Original Hole
12/9/1981	6,974 0	6,982 0	1.0	8	Gallup, Original Hole
12/9/1981	7,038 0	7,096.0	1.0	58	Gallup, Original Hole
12/9/1981	7,120 0	7,164 0	1.0	44	Gallup, Original Hole
11/25/1981	7,740 0	7,754.0	1.0	14	Dakota, Original Hole

Report Printed: 8/8/2012

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
CW Roberts 06A	Roberts, C W.	Basin(New Mexico)	Mid-Continent/Alaska



Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
11/25/1981	7,885.0	7,906.0	1.0	21	Dakota, Original Hole

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com
6/13/2011	7/9/2012	412 0	

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Fill	7,938 0	8,134.0	7/20/2012		