SEMENT Expires: November 30, 2000   SEMENT 5. Lease Serial No.   ORTS ON WELLS NM-54184   O drill or to re-enter an PD) for such proposals. 6. If Indian, Allottee or Tribe Name   uctions on reverse side 7. If Unit or CA/Agreement, Name and No.   0XY Longnose #1   192463 9. API Well No.   3b. Phone No. (include area code) 30-015-34685
432-685-5717 10. Field and Pool, or Exploratory Are Undsg.Empire Morrow, South 11. County or Parish, State Eddy NM
TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
TYPE OF ACTION
Implicit Action   e Deepen Production (Start/Resume) Water Shut-Off   Casing Fracture Treat Reclamation Well Integrity   Repair New Construction Recomplete Ø Other Complet   Plans Plug and Abandon Temporarily Abandon   to Injection Plug Back Water Disposal   nent details, including estimated starting date of any proposed work and approximate duration the thy, give subsurface locations and measured and true vertical depths of all pertinent markers and vide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed within 34 in results in a multiple completin and and true vertical depth and and true vertical depth
Accepted for record - NMOCE LOLING Title Sr. Regulatory Analyst Date 16(3(06 ACCEPTED FOR RECOI

## **OXY LONGNOSE FEDERAL #1**

#### 05/20/2006 CMIC: Nichols

MIRU Pulling unit and reverse unit. SD for weekend

05/23/2006 CMIC: Nichols

ND wellhead. NU BOP. Rack and Tally 350 joints 2 3/8 tubing. Truckers tally 11,105'. RIH with 4 3/4 Varel Bit -bit sub - 6 3 1/2 od drill collars - top sub on 247 joints tubing. Tag up at 7976'. Rig up to drill. Drill out wiper plug at 7976' and cement to 7980'. Drill out DV tool at 7980'. RIH to 8057'. CHC. Test Csg. to 2000#. Held. Secure well. SD.

#### 05/24/2006 CMIC: Nichols

0 pressure on well. RIH and tag up at 10544'.(328 joints). Hook up to drill. Est. circulation. Drill cement from 10544' to 10548'. Drilled wiper plug at 10548'. Clean out to 10646'. (102' total in 5 hrs) Penetration rate from 10548' to 10646' was 5 minutes a foot. CHC. POOH to check bit. Bit was in good shape. secure well. SD.

# 05/25/2006 CMIC: Nichols

0 pressure on well. RIH with 4 3/4 Varel Bit - bit sub - 6 3 1/2 od drill collars - top sub on 331 joints 2 3/8 tubing. Tagged up at 10646'. Hook up to drill. Est. Circulation. Drill Cement form 10646' to 10951'(no sign of float collar). CHC. Displace hole with 240 bbl. 6% KCL water. Rig down Swivel. POOH laying down 3 jts 2 3/8 on pipe racks and stand 208 joints in derrick. Secure well. SD.

#### 05/26/2006 CMIC: Nichols

0 pressure on well. Continue to POOH with 2 3/8 tubing(331 joints total). Lay down BHA. Rig up Halliburton Wireline. RIH with 4.60 gauge ring and junk basket to 10936'. POOH with gauge ring and junk basket.RIH and Pull CBL from 10936' to 7700'. Cement from 10936' to 10600' Good. 10600' - 8800' Poor. Pull 2nd. Pass under 1000# pressure. 10936' - 10050' Good. 10050' - 9450' Fair. 9450' - 7700' Good. Top of Cement at 3000'. POOH and Rig down Halliburton. Secure well. SD.

#### 05/27/2006 CMIC: Nichols

0 pressure on well. Rig up Halliburton wireline. RIH with 3 3/8 Casing gun and collar locator. Corrolate gun on depth and shoot the "Morrow" formation at 10836' - 10844'(18 holes) and 10764' - 10770'(14 holes) with Millenium 25 grain charges at 2 SPF.(45" penetration - .40 Entry Hole). POOH with Perf. gun. RIH with 4 1/2 Baker Hornet packer and collar locator. Corrolate packer on depth and set at 10682'(top of packer) WLEG at 10694'. POOH with setting tool and RD Halliburton. RIH with Ret. head on 338 joints 2 3/8 tubing. Latch onto packer. Space well out. Test packer to 1500#. Held. Nipple down BOP. Tree well up. RIH with swab. IFL at surface. EFL at 5000'. Recovered 24 bll. in 6 runs. Lay down swab. Secure well. SD.

Description	Length	Total
KB	15.50	15.50
1 jt. 2 38 tubing	31.67	47.17
2 10' X 2 3/8 tubing subs	20.22	67.39
337 joints 2 3/8 tubing	10613.26	10680.65
L-10 on/off tool	1.35	10682.00
4 1/2 Baker EL Hornet Pkr.	7.46	10689.46
4' X 2 3/8 tubing sub	4.10	10693.56
1.81 F-Nipple	.98	10694.54
2 3/8 WLEG	.32	10694.86

#### 05/31/2006 CMIC: Nichols

0 pressure on well. RIH with swab. IFL at 5000'. EFL at 6000'. Recovered 4 bll. In 1 run. Rig down swab. Rig up Pro Wire Line Slick line truck. RIH and Retrieve equalizing prong and plug in two runs. Rig down Pro. RIH with swab. IFL at 6000'. Swab fluid down to packer in 4 runs. Make 1 run an hour for 4 hours. Recovered 20 bll. fluid. No fluid entry. No gas. Lay down swab. Secure well. SD.

06/01/2006 CMIC: Nichols

50# pressure on tubing. Bleed off pressure. RIH with swab. IFL at 10300'. (300' fluid entry overnite). Lay down swab. Rig up Stinger Tree Saver. Rig up Halliburton. Pressure up backside to 1500#. Test lines to 9000#. Bleed off tubing. Open wellhead. Acidize the "Morrow" Perfs 10764 -10844'(32 holes) with 2000 gal. 7 1/2% HCL acid. Dropping 50 1.18 Bioballs for diversion. Flush acid to bottom perf. with 6% KCL water. ISIP = 5014#. 5 min = 4639#. 10 min = 4385#. 15 min = 4214#. Close well in. Rig down Halliburton and Stinger. Max Treating Pressure = 6515#. Average Treating Press = 3950#. Max Slurry Rate = 4.9 BPM. Avg. Slurry Rate = 3.6 BPM. SITP = 3750#. Open well up on 12/64 choke. Pressure down to 0 in 5 minutes. RIH with swab. IFL at surface. Swab well to packer 10682' in 8 runs. Make 1 run an hour for 4 hours. EFL at 9000' scattered to pkr. Recovered 46 bll water total. Had some acid gas during run. Lay down swab. Secure well. SD.

# 06/02/2006 CMIC: Nichols

1050# on tubing. Bleed pressure off to 0 in 5 minutes. RIH with swab. IFL at 9000' and scattered to packer. Make 1 run an hour for 10 hours. FFL at 9600' and scattered to packer. Recovered 12 bbl. No show of gas. Lay down swab. SD.

06/03/2006 CMIC: Nichols

SITP= 750#. RD Unit and moved to Corral Fry #1

## 07/07/2006 CMIC: henrich

set in matting boards, miru pulling unit & reverse unit, sisd!

# 07/08/2006 CMIC: henrich

hold safety meeting, sitp 3200#, sicp 0#, bleed tbg. down to 0# in 2 hrs., load tbg. w/49 bw, nd tree, nu bop, release pkr. & pooh w/tbg. & pkr., load csg. w/13 bw, sisd for weekend!

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## 07/11/2006 CMIC: henrich

hold safety meeting, miru baker atlas wl, sip vac., rih w/4" tag guns loaded w/predator charges @ 2 spf, perforate morrow formation from (10,622'-26')(10,629'-39')(10,730'-34')((10,796'-10,800')(10,836'-44')(10,864'-68') reperf. (10,764' - 70')(126 holes) no show of gas, fl dropped from 250' to 700', run pkr. on wl & set @ 10,550', pooh, rd wl, sisd!

## 07/12/2006 CMIC: henrich

hold safety meeting,0# sip,rih w/on/off tool,on 334 jts. 2 3/8" tbg.,tag top of pkr. @ 10,550',space tbg. out,latch onto pkr. & test csg. to 1500#(OK)nd bop,nu tree,ru swab,swab tbg. down to 6000' & while pulling last swab run sandline parted leaving swab,sinker bars & 700' of line in hole,nd tree,nu bop,release pkr. & pooh,rec. all of swab tools & line,change pkr. & rih w/pkr. & 60 jts. of tbg.,sisd!

# 07/13/2006 CMIC: henrich

hold safety meeting,0# sip,finish rih w/pkr.,displace hole w/220bbls. of treated 6% kcl,set pkr. @ 10,544' & test to 1500#(OK),nd bop,nu tree,miru aries swab unit #10 under pulling unit due to pulling unit not being able to get new sandline installed until today,swab tbg. dry in 3 hrs.,ifl @ surface,ffl dry,had very slight gas while swabbing,si,rd swab unit,sdon.

# 07/14/2006 CMIC: henrich

hold safety meeting,0# sip,miru stinger,nu tree saver,miru halliburton,acidize well w/2000 gals. of 7 1/2% hcl acid & 31.5 tons of co2 carrying 100 1.2 sp ball sealers as follows;

stage 1,pmp. 1014 gals. of 51% co2 foamed acid,mtp 5232#,atp 2582#,mir 4.5,air 4.1 bpm stage 2,pmp. 394 gals. of 63.0% co2 foamed kcl carrying 50 1.2 sg ball sealers,mtp 8113#,atp 6664#,mir 11.0,air 5.7 bpm

stage 3,pmp. 1431 gals. of 53.2% co2 foamed acid,mtp 8115#,atp 7496#,mir 6.1,air 5.6 bpm stage 4,pmp. 308 gals. of 71.4% co2 foamed kcl carrying 50 1.2 sg ball sealers,mtp 8346#,atp 8006#,mir 5.9,air 5.5 bpm

stage 5,pmp. 1317 gals. of 54.3% co2 foamed acid,mtp 8485#,atp 7728#,mir 5.4,air 5.1 bpm stage 6,flush to bottom perf. w/613 gals. of 80.1% co2 foamed kcl,mtp 8667#,atp 7704#,mir 11.5,atp 1.9 bpm

5 min. 4321# 10 min.4086# 15 min.3942#

si,rd halliburton,nd tree saver,plumb up choke manifold,sitp 3450#,open well to tank on 8/64" choke,rec. 88.5 bw in 19 hrs.,fftp 3# on f/o 1 3/4" valve,rate 225.9 mcfd,con't flow back.(co2 @ 20%)(32.5 blwltr)

# 07/15/2006 CMIC: henrich

hold safety meeting,0# sip,ru swab, rec. trace of oil,33 bw in 8 hrs.,ifl 8600' fs,ffl scattered from 6900' to pkr.,well has good blow of gas after swab runs,sisd!(0 blwltr)

# 07/18/2006 CMIC: henrich

hold safety meeting,2800# sitp,open well to tank, well bled down to strong blow in 1 hr. 10 min., load tbg. w/52 bw.nd tree, nu bop, release pkr. & pooh w/tbg. & pkr., nd bop, nu frac valve, nu bop on top of frac valve, sisd!

# 07/19/2006 CMIC: henrich

hold safety meeting, miru stinger, nu csg. saver, miru halliburton, frac well as follows.

stage 1-pump 11974 gals.68.2% co2 foam slurry,mtp 6796#,atp 6150#,mir 40.6,air 32.8 bpm stage 2pump 1277 gals.67.5% co2 foam slurry carrying 1623# of sand @ 0.5 ppg,mtp 6870#, atp 6833#, mir 31.1,air 29.9 bpm

stage 3-pump 2773 gals. 66.4% co2 foam slurry carrying 7833# of sand @ 1.0 ppg,mtp 6892#, atp 6833#,mir 29.7,air 28.3 bpm

stage 4-pump 4055 gals. 64.4% co2 foam slurry carrying 15317# of sand @ 1.5 ppg,mtp 6796#, atp 6742#,mir 29.1,air 28.3 bpm

stage 5-pump 1714 gals. 63.8% co2 foam slurry carrying 7874# of sand @ 2.0 ppg,mtp 6915#, atp 6829#,mir 28.5,air 28.2 bpm

stage 6-flush to top perf. w/4633 gals. of 54.4% co2 foam slurry,mtp 6922#,atp 6859#,mir 27.8,air 20.9 bpm

ISIP 5832#,5 min.5166#,10 min. 5160#,15 min. 5154#

TOTAL SAND IN FORMATION 32349# TOTAL CO2 208.7 TONS TOTAL LOAD 600 BBLS. si,rd halliburton,nd stinger,open well to choke manifold,sip 4700#,flow well to tank,rec. 208.2 bw in 15 hrs.,ffcp 200# on f/o choke,rate 2898.0 mcfd,co2 @ 45%,con't to flow back frac.(392 blwltr) 07/20/2006 CMIC: henrich

hold safety meeting, well dead, pump 70 bw down csg., nd frac valve, nu bop, rih w/4 3/4" bit, 5.5" csg. scraper & 344 jts. 2 3/8" tbg., tag up @ 10,872', ru power swivel, break circ., c/o to 10894', well started kicking & unloaded a large slug of sand & cut out manifold on reverse pump, plumb well in to choke manifold & bleed well down, repair pump & kill well, pooh to 10,547', sisd!

# 07/21/2006 CMIC: henrich

hold safety meeting,0# sitp.50# sicp,bled csg. down & loaded w/28 bw,pooh w/tbg. & bit,rih w/prod. pkr. & tbg.,displace hole w/210bbls of 6% kcl containing clay sta. & pkr. fluid,set pkr. @ 10,544',nd bop,nu tree,test csg. & pkr. to 1500#(OK),plumb up flowline,sisd!

1-2 3/8" wleg	-	.33
1-2 3/8" x 1.81"F" nipple	-	.98
1-2 3/8" L-80 pup jt.	-	6.12
1-baker 472-237 hornet pkr.	-	9.17
1-2 3/8" x 1.875"F" x 4.5 on/off tool	-	1.64
334-jts. 2 3/8" L-80 8 rnd. tbg.	-	10527.51
TOTAL	-	10545.75
KB	-	15.50
BOTTOM OF WLEG	-	10561.25
D 10544 65 1 81 @ 10559 94 1 87 @ 10543 01		

pkr. @ 10544.65 1.81 @ 10559.94 1.87 @ 10543.01

## 07/22/2006 CMIC: henrich

hold safety meeting,650# sitp,0# sicp,open well to pit on f/o choke,rec. 87.2 bw,348.5 mcf gas in 22 hrs.,rate 115.8 mcfd,fftp 34# on 24/64" choke,con't flowing.(co2 @ 50%)

#### 07/25/2006 CMIC: henrich

hold safety meeting,0# ftp,ru swab,rec. trace of oil,20 bw in 8 hrs.,ifl scattered from 3500' to pkr.,ffl dry,rd swab,choke well back to 16/64" choke,press. built to 110# in 2 hrs. w/a rate of 183.37 mcfd,sisd!

## 07/26/2006 CMIC: henrich

hold safety meeting, sitp 1500#, open well to tank on 18/64" choke, well bled down in 1.5 hrs., ru swab, rec. 1/2 bw in 1 run, no solid fluid in hole, rd swab, choke well in to 16/64" choke, well built up to 100# in 1 hr. & leveled out, flow well rest of day, fftp 100# on 16/64" choke, no fl rec., rate 147.5 mcfd, sisd. (co2 20%)

## 07/27/2006 CMIC: henrich

hold safety meeting, 1500# sitp, open well to tank on 18/64" choke, well bled down to 0# in 2 hrs., ru swab, rec. 1 bw in 2 runs, no solid fluid in hole, rd swab, set choke on 16/64" press. built to 100# & held for 4 hrs. w/a rate of 147.5 & then fell off to 90# on 16/64" choke w/a rate of 137.75 mcfd, sisd. (8 hr. test)

#### 07/28/2006 CMIC: henrich

hold safety meeting, sitp 1600#, open well to tank on 18/64" choke, well bled down in 2 hrs., ru swab, rec. 15 bw in 8 hrs., ifl scattered from 2000' to pkr., sisd!(304 blwltr)

#### 07/29/2006 CMIC: henrich

hold safety meeting, 1450# sitp, open well to tank on 18/64" choke, well bled down in 2 hrs., ru swab, rec. 12 bw in 8 hrs., ifl scattered from 2000' to pkr., ffl dry, good show of gas while pulling swab & for about 5 min. after getting out of hole w/swab, sisd!(292 blwltr)

#### 08/01/2006 CMIC: henrich

hold safety meeting,2150# sitp,open well to tank on 18/64" choke,well bled down to 20# in 3 hrs.,try to rih w/swab but well was blowing to hard,flow well to tank rest of day on 32/64" choke,fftp 30#,rate 190 mcfd,rec. trace of oil & 6 bw in 10 hrs.,sisd!(286 blwltr)

## 08/02/2006 CMIC: henrich

hold safety meeting,1700# sitp,open well to tank on 18/64" choke,well bled down in 3 hrs.,ru swab,rec. trace of oil,17 bw in 7 hrs.,ifl scattered from surface to pkr.,ffl dry,sisd!(269 blwltr)(8% co2)

# 08/03/2006 CMIC: henrich

hold safety meeting, 1700# sitp, open well to tank on 18/64" choke, well bled down to 500# in 1 hr., si, rig reverse unit & pulling unit down, release all rental equipment, move off loc., leave well shut in to wait on orders. 09/15/2006 CMIC: Nichols/Ross

SITP 3000#. Open well up to earth pit. Pressure down to 30# in 20 minutes. Flow well to pit on 30# pressure for 40 minutes. Rec'd 3 bbls fluid Secure well. Move in and spot Key Well Service Unit #293. SD. **09/16/2006** CMIC: Nichols/Ross

# SITP 2350#. Open well up to earth pit. Place matting boards. RUPU. Pump 60 bbl. 6% KCL to load tubing. Tubing would not load. ND Tree. NU BOP. Got off of on/off tool and let well equalize. Latch onto and released packer . POOH laying 24 joints 2 3/8 on racks. Stand 310 joints 2 3/8 in derrick. Lay down packer. Secure well. SD..

# 09/19/2006 CMIC: Nichols/Ross

480# on Well. Bled pressure off to earth pit. Rig up Schlumberger Wireline. RIH with 5 1/2 CIBP and set at 10550'. POOH with Setting Tool. RIH with 3 1/2 dump bailer. Cap CIBP with 4 sx. cement in 1 run. POOH and lay down dump bailer. Load hole with 55 bbl. 6% KCL water. RIH with 3 3/4 Perf. gun on wireline. Perf the

"Strawn" formation @ 9904-9907, 9913-9927 2 SPF total 38 holes with Power Jet Omega charges(38 grain - 61.7" pent. - .48 EH) in 1 run. RIH with 5 1/2 Baker Hornet packer and set at 9800'. POOH with setting tool. Rig down Shlumberger. RIH with Ret. Head for packer on 180 joints 2 3/8 tubing to 5680'. Secure well. SD. 09/20/2006 CMIC: Nichols

0 pressure on well. Finish RIH with tubing. Latch onto packer. Space well out. Nipple down BOP. Tree Well up. Test packer to 1000#.(tubing landed in 15,000# compression) Held. RIH with swab. Swab fluid down to 4500'. Rig up Pro Slick line truck. RIH to retrieve equalizing prong. Could not latch onto prong. POOH. RIH with bailer. Work bailer and POOH. Had piece of wood in bailer. RIH and retrieve equalizing prong and plug in two runs. Rig down Pro. O SITP. RIH with swab. IFL at 4500'. FFL at 9797'. Recovered 32 bbls in 8 runs. Very slight gas blow after pulling swab. Lay down swab. Secure well. SD.

# 09/21/2006 CMIC: Nichols

50# on tubing. Rig up Stinger Tree Saver and Halliburton. Test lines to 9000#. Held. Pressure up backside to 1200#. Start foamed acid job. Pumped 500 gal. 7 1/2% Acid - 500 gal Treated water and 28 bbl. CO2 when backside pressure increased to 3000# in one min.(tubing pressure was at 5372#)Had downhole failure of some kind( Pkr, on/off tool, or tbg.) Flush tubing with 50 bbl. 6% KCL water. bled pressure off backside thru manifold. Rig down Halliburton and Stinger. SITP 300#. Hook tubing up to manifold and started bleeding pressure off tubing. Left tubing and backside open to let CO2 migrate out. Left well with Weatherford flowback hand overnite. Well opened all night and rec'd 54 bbls fluid and lots of CO2. At 6:00am well dead. Will pull out of hole and replace pkr.

#### 09/22/2006 CMIC: Nichols

0 pressure on well. Nipple down tree. Nipple up BOP. Unset packer and POOH with 5 stands tubing. Well started kicking. Hook up and circulate CO2 out of hole with 250 bbl. 6% KCL water. Finish POOH with tubing and packer. There was no clear evidence as to what failed. Sent pkr and on/off tool in to be inspected, tested & redressed. Will test tbg back in hole. Secure well. SD.

## 09/23/2006 CMIC: Nichols

0 pressure on well. Test in hole with 2 3/8 WLEG - 1.81 F-Nipple - 4' X 2 3/8 tubing sub - 5 1/2 Baker Hornet packer - X-over - L10 on/off tool on 309 joints 2 3/8 tubing (test tubing to 5000# below slips no leaks found). Set packer at 9779'.(15000# compression) Nipple down BOP. Tree Well up. RIH with swab. IFL at surface. FFL at 9770'. Recovered 36 bbl. fluid in 10 runs. Lay down swab. Secure well. SD.

#### 09/26/2006 CMIC: Nichols/Ross

1300 pressure on well. Rig up Stinger tree saver and Halliburton. Test lines to 9000#. Pressure up backside to 1000#. Hold Safety Meeting. Acidize the "Strawn" formation with 2000 gal. 50 quality foamed acid. Dropping 15 1.3 SG ball sealers as diversion. Flush acid to bottom perf. ISIP = 5163#. 5 min. = 4917#. 10 min. = 4834#. 15 min. = 4773#. Avg. treating pressure = 6378 #. Max teating pressure = 7438#.Avg WH rate = 4.0 BPM. Max WH rate = 5.2 BPM. CO2 = 11.7 ton Shut well in and rig down

Halliburton and Stinger. SITP = 4500#.TLTR=140 Open well up on 10/64 choke and start flowing well back.At 6:00AM ftp=5 through 2inch full open valve CO2 content=33% total fluid recovered=65bbls tbtr=75. Continue flowing.

#### 09/27/2006 CMIC: Nichols/Ross

0 pressure on tubing. RIH with swab. IFL at 5900'. EFL at 7100'. Recovered 12 bbls. Fluid in 9 runs. (9 hours). Very Slight gas blow. Lay down swab. Secure well. SD.