

Submit 3 Copies To Appropriate District  
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District I  
1625 N French Dr, Hobbs, NM 88240  
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1301 W Grand Ave., Artesia, NM 88210  
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District IV  
1220 S St Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAR 27 2009

Form C-103

June 19, 2008

WELL API NO. <b>30-015-28384</b>	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. <b>E - 9706</b>	
7. Lease Name or Unit Agreement Name <b>North Indian Basin Unit NMNM-709998A</b>	
8. Well Number <b>#20</b>	
9. OGRID Number <b>14021</b>	
10. Pool name or Wildcat <b>Indian Basin Morrow (78960)</b>	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator  
**Marathon Oil Company**

3. Address of Operator  
**5555 San Felipe...Houston, Texas 77253-3487 .....Mail Stop #3308**

4. Well Location  
Unit Letter **K** **1,650'** feet from the **South** line and **2,310'** feet from the **West** line  
Section **2** Township **21-S** Range **23-E** NMPM County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.  
**3,736' GR**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Return to production. ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

**\*\* Marathon Oil Company returned the above named well, NIBU #20 to production on 05/31/2007.  
Please find the required production data report, and reference material for your review.**

Spud Date:

**February 2007.**

Rig Release Date:

**May 2007**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Rick R Schell* TITLE Regulatory Compliance Representative DATE March 24, 2008

Type or print name: Rick R Schell E-mail address: RRSCHELL@MarathonOil.com PHONE: 713-296-3412

For State Use Only

APPROVED BY: *Jacqueline* TITLE Geologist DATE 3/30/09

Conditions of Approval (if any):

Monday, March 23, 2009

Page No : 1

Report Number : R 012

Print Date : 3/23/2009, 5:33:26 PM

[illegible]

**Marathon Oil Company**  
**Final Well / Event Summary**

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Legal Well Name: NORTH INDIAN BASIN UNIT NO 20  
Common Well Name: NORTH INDIAN BASIN UNIT NO 20  
Event Name: RE-ENTRY Start Date: 2/7/2007 End Date:

DATE	TMD	24 HOUR SUMMARY
11/7/2006	8,919 (ft)	TGSM. RUPU. NUBOPs. PU DB, Scpr, 6-DCs - PU workstring - RIH to TOC @ 7935'. DO 12' cement & CIBP. CIH to bottom tag @ 7932'. Circ clean. TOH w/ 40 stds. SDFN
11/8/2006	8,919 (ft)	TGSM. TOH w/ tbg. stood back 6-DCs, LD bit & scraper. PU 7" RTTS - TIH to below the perms @ 7648'. L&T to 500#. OK. TUH to 7599' = 5BPM/0psig TUH to 6977' L&T backside to 500#. OK Inj rate = 5BPM/0psig. Left pkr sw. SDFN
11/9/2006	8,919 (ft)	TGSM. TOH w/ RTTS packer - left packer swinging on 5 stands of tbg. SDFN due to high wind.
11/10/2006	8,919 (ft)	TGSM. TOH w/ KS. LD RTTS. PU 7" cement retainer. RU hydrotesters - trip in hole testing tbg to 5000# below the slips. RD hydrotesters. Set retainer. Load backside & test to 500 psig. Pumped 80 BFW down tubing to test injection = 5BPM @ 0psig. SDFN
11/11/2006	8,919 (ft)	TGSM. RU HES. Pumped hesitation cement/flowcheck squeeze. Displaced - pressured to 4000 psig. Bled to 3000# - stung out of retainer - rev out 85 BFW. TUH 3000'. SDFWE
11/12/2006	8,919 (ft)	TGSM. TOH w/ tbg - LD setting tool. RIH w/ 6 1/8" drill bit, 6 - 4 3/4" drill collars - RIH on work string to tag TOC @ 6971' RU power swivel. DOC retainer and cement to 7165' w/ full returns. SDFN
11/13/2006	8,919 (ft)	TGSM. TOH w/ tbg - LD setting tool. RIH w/ 6 1/8" drill bit, 6 - 4 3/4" drill collars - RIH on work string to tag TOC @ 6971' RU power swivel. DOC retainer and cement to 7165' w/ full returns. SDFN
11/14/2006	8,919 (ft)	TGSM. Continue drilling out cement from 7165' to 7550'. Circulated clean and tested to 500 psig. Held pressure for 30 minutes with no bleed. SD at this point due to high winds.
11/15/2006	8,919 (ft)	TGSM. Continue drilling out cement from 7550' - 7935'. Pressure testing to 450 psig @ every 50'. Tripped to bottom and circ clean. Pressure test to 450 psig w/ 35 psi bleed in 30 minutes. SDFN
11/16/2006	8,919 (ft)	TGSM. RU chart. Pressure to 450 psig. Charted psi - dropping app 40 psi in 30 minutes. Repeat and charted for 1 hr = 150 psig drop. Rpt 3 times w/ faster bleed each time. Notified engineering.
11/17/2006	8,919 (ft)	TGSM. TOH w/ tbg to overshot. LD overshot. LD bad jt of tbg. PU 7" RTTS - RIH & test as follows 7817' 500# OK, 7786' - 500# OK, 7755', 7724', 7693' all had steady bleed. Test backside to 500# - OK TOH - LD pkr. TIH OE w/ EOT @ 7785' SDFN
11/18/2006	8,919 (ft)	TGSM. RU HES. Took 8 bbls to load. Pump 60 sks of Prem+ w/ 3/10% Halad 322 disp w/ 42.5 BFW. PUH 10 stds rev 50 bbls. PUH 20 adnl stds psi to 1500# then to 2000# Left SI until Monday. RD & rel Halliburton. SDFWE
11/19/2006	8,919 (ft)	TGSM. TOH w/ tbg. PU DCs & bit - RIH to TOC @ 7440' RU swivel DOC to 7540' - tbg parted. TOH w/ tbg. LD bad joint. PU overshot - TIH to fish - latched on - TOH laying down 60 joints of pipe racks. SDFN

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11/20/2006	8,919 (ft)	TGSM. Cont laying down tbg. Took delivery of 260 jts of C1 2 7/8" L-80 replacement work string. PU and RIH w/ tbg to TOC @ 7540' RU swivel and drill out to 7600'. Circ clean. SDFN
11/21/2006	8,919 (ft)	TGSM. Drill out to 7930'. Circ clean. Test formation to 500 psig - bled off 21 psi in 45 minutes. Trip out of hole laying down entire work string on racks. LD 6 -4.75" drill collars, scraper & bit. ND BOPs. Capped well. RDMO to IB yard for Holiday.
3/13/2007	7,942 (ft)	Safety meeting. MIRU Key #482. Shut down for night.
3/14/2007	7,942 (ft)	Safety meeting. RU floor. NU BOP's. Test to 3000 psi/250 psi. PU 3 1/2" DP at 0600 hrs.
3/15/2007	7,942 (ft)	P/U 3 1/2" HWDP. Fab & install flowline. Attempt to fill DP. Bit plugged. TOH w/ HWDP & unplug bit sub. TIH w/ HWDP. P/U 3 1/2" DP. Fill pipe & hole. 110 Bbls to fill hole. P/U 3 1/2" DP. Repair Rig.
3/16/2007	7,942 (ft)	Repair rig. P/U DP. Tag at 7,616'. P/U power swivel. Circ & displace well w/ fresh water. Test perforations. w/ 9.3 equivalent mud wt. Perforations broke down w/ 9.23 equiv mud wt. Establish a pump in rate. TOH. Wait on tools for squeeze.
3/17/2007	7,942 (ft)	Wait on tools. P/U- ST-EZ drill packer & TIH. Set packer @ 7,439'. Squeeze cement into perforations with a ending pressure of 3,750 psi. Sting out & reverse circ. No cement to surface. TOH. L/D seal assy. TIH to 7,114'. Wait on cement.
3/18/2007	7,942 (ft)	Wait on Cement. TIH to top of cement f/ 7,178' to 7,432'. Pick up swivel & Break circulation. Drill 7 of cement f/ 7,432' to top of packer at 7,439'. Drill packer f/ 7,439' to 7,442'. Drill cement f/ 7,442' t 7,508'. Cement very firm.
3/19/2007	7,942 (ft)	Drill cmt & test individual perms to 9.3 ppg EMW f/ 7,508' to 7,774'. Fell out of cmt at 7,774'. Wash down to cmt on top of CIBP at 7,918'. Build mud wt to 9.2 ppg w/ brine. Safety meeting. Drill cmt to CIBP @ 7,940' Drill CIBP. f/ 7,940' to 7,942'.
3/20/2007	8,805 (ft)	Drill thru CIBP. circ out gas. Push CIBP down hole & thru tight hole. Circ gas up after each tight spot. Tag cement at 8,805'. Could not drill. Pump sweep & circ out. R/D power swivel. Attempt to TOH. P/U power swivel. Pump sweeps & back ream out 8 jts.
3/21/2007	8,805 (ft)	Circulate & raise vis. Wash 8 jts to bottom. Circulate bottoms up. Hole clean. R/D power swivel & attempt to trip out hole. No go. R/U Swivel & circulate. Mix Dexdrid & lower water loss to 7.5 Back ream 10 jts out. Attempt to pull with out pump. no go.
3/22/2007	8,805 (ft)	Circ & consult w/ Houston. Back Ream out of hole to csg shoe. Lots of heaved shale circ to surface. Let hole settle. TIH look for fill. Tag fill at 8,266'. 224' below shoe. Ck f/ firmness w/ 10k. Sticky when pulling out of fill. TOH. Lost full returns.

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3/23/2007	8,805 (ft)	WOWater. Fill annulas w/ fresh water. TOH. WOOrders. R/U & P/U 30 jts of 2-7/8" R/U & Run 3-1/2" dp. TIH to shoe at 8,042'. Wait on pump truck. P/U & run 8 jts DP to 8,260'. R/U Halco. Pump & spot 115 sks Premium CMT at 8,260', TOH
3/24/2007	8,805 (ft)	TOH. L/D 2- 7/8" tubing. P/U bit & casing scraper. TIH tag top of cement at 7,947'. TOH. L/D casing scraper. P/U RTTS Packer. TIH to 7,886' Set packer & test below perms to eliminate that area. Found packer to be plugged. Ready floor to TOH.
3/25/2007	8,042 (ft)	TOH w/ plugged pkr. Unplug btm jt HWDP & change out RTTS pkr. TIH. Test perms at 7,502'. Establish injection rate = .75 bpm 900 psi. Move pkr to 7,687' & test. Quick bleed off back side. Test at 7,623' slow bleed off. Release pkr & TOH. P/U SVB pkr. TIH.
3/26/2007	8,042 (ft)	TIH w/ Fast Drill SVB packer. Set packer @ 7,409'. Rig up HES & squeeze perforations w/ 150 sk Premium Plus cement. Reverse Circ. No cmt to surface. TOH L/D stinger seal assembly. P/U bit & casing scraper. TIH to 7,147' Wait on cement.
3/27/2007	8,042 (ft)	WOC. Drill retainer & Cement to 7,508' Test Perfs to EMW of 10.0 ppg. (OK) Drill to 7,536' & test perms.(OK) Drill to 7,575' & Test. (OK) Drill to 7,634' & Test. (OK) Drill to 7,674' & Test. Lost PSI @ 500 psi. 9.75 EMW. Bleed down to 100 psi & Held. 8.7
3/28/2007	8,058 (ft)	TOH. TIH to 7,674'. Mix 40 Bbls LCM pill. Spot LCM at 7,674'. Pull 5 stds. Pressure up on annulas to 600 psi. EMW of 10 ppg. Held OK. Drill out cement f/7,674' to 7,733' fell out of cement. test all perms (OK)
3/29/2007	8,062 (ft)	PU directional tools.TIH t/ 6200'. ( rig repairs -4 hrs) TIH t/ 8058'. RIH w/ gyro on WL. Time drilled f 8058' to 8062' w/ full returns.
3/30/2007	8,081 (ft)	Time drill from 8062' to 8081' w/ full returns.( 70% formation) drilling w/ full returns.
3/31/2007	8,155 (ft)	Time drill from 8081' to 8092'. Pulled Gyro. Slide/Rotate from 8092' to 8155'. Observed cement in samples. POOH to dailed up motor. Not able to break AKO sub w/ power tongs. WOM. Making up motor at 0600 hrs.
4/1/2007	8,165 (ft)	TIH w/ 1.8 motor. ( jet shale pit) TIH t/ 8155'. Orient tool face at 138 Az. Time drill from 8155' to 8165' at 1'/hr.
4/2/2007	8,190 (ft)	Time drill from 8165' to 8190'. Time drilling at 2'/hr at 0600 hrs.
4/3/2007	8,332 (ft)	Time drill from 8190' to 8,195'. Rotary & Slide drill 6 1/8" hole from 8,195' to 8,332'.
4/4/2007	8,414 (ft)	Slide/Rotate from 8332' to 8,405'. Circulate Bottoms Up. POOH for Mud Motor and Bit Change. TIH & Rotate Drill From 8,405' to 8,414'.

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4/5/2007	8,645 (ft)	Slide/Rotate From 8,414' To 8,645'.
4/6/2007	8,809 (ft)	Slide/Rotate From 8,645' To 8,809. Rig Down 6.5 hrs For Pump Repairs.
4/7/2007	8,973 (ft)	Slide/Rotate From 8,809' To 8,973'. Rig Down For 7.5 Hrs Power Swivel Pump Repair.
4/8/2007	9,170 (ft)	Slide/Rotate From 8,973' To 9,170'.
4/9/2007	9,226 (ft)	Slide/Rotate From 9,170' To 9,217'. POOH for Bit, Motor, & BHA Change. Slip & Cut Drill Line, RI With BHA. Slide From 9,217 To 9,226'.
4/10/2007	9,446 (ft)	Slide & Rotatary Drill F/9,266' T/9,446'
4/11/2007	9,634 (ft)	Slide, Rotary Drill & Surveys f/ 9,446' to 9,634'
4/12/2007	9,756 (ft)	Slide, Rotary Drill, & Surveys f/ 9,634' to 9,756'. Orders to TD well. Circulate, build high vis sweep, pump sweep & circulate out. Wiper Trip out to 7" casing shoe @ 8,042'. Trip back to bottom to 9,756' no fill. Circulate.
4/13/2007	9,756 (ft)	Circulate. TOH & back ream tight hole @ 9,730' to 9,715' and 9,487' to 9,471' Continue TOH. L/D directional tools. P/U bit sub & bit on HWDP. TIH. Ream out tight spots f/9,637' to 9,660'. Wash to bottom at 9,756'. Circ high vis sweep. Spot high vis pill.
4/14/2007	9,756 (ft)	TOH. Pre Job Safety meeting. P/U logging tools. M/U tools to DP. TIH to 7,839'. Run FWC on wir line Inside DP thru side door entry sub. Plug in & test. OK. TIH to 7,965'. Circ btms up. TIH loggin open hole to 9,619'. TOH logging up f/9,619' to 9,493'.
4/15/2007	9,756 (ft)	TOH Logging open hole coming out. f/ 9,493' to 8,042'. Pull out wire line w/ FWC. TOH w/ dp & logging tools. Lay down logging tools. TIH w/ bit.Tag at 9,476'. P/U power swivel. Wash & lite reaming f/ 9,476' to 9,756'. Circ. & spot high vis pill. TOH.
4/16/2007	9,756 (ft)	TOH, R/U Csg crew. Safety meeting. P/U 4-1/2" liner. R/D Csg crew. Run liner in hole w/ drill pipe to shoe at 8,027'. Circ. P/U & M/U cmt manifold. Ck string weights. Attempt to work thru tight hole. Liner released prematurely. TOH. W/O fishing tools.
4/17/2007	9,756 (ft)	Wait on & trip in w/ fishing tools to recover 41/2" casing. Latch onto fish & TOH. L/D 41/2" casing. Break down fishing tools. Get floor ready to P/U BHA.
4/18/2007	9,756 (ft)	Break down & load out fishing tools. P/U DCs, & string mill. P/U bit & TIH to 8,042' L/D 10 jts. TIH to Tight hole at 8,232. Ream out all dog legs f/ 8,232' to 9,186'.
4/19/2007	9,756 (ft)	Ream out & back ream all dog legs f/ 9,186' to 9,515'

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4/20/2007	9,756 (ft)	Ream & back ream all dog legs f/ 9,515' to 9,614'. Hole trying to pack off. Back ream up to 9,598'. Circ. Attempt TOH. Pipe stuck at 9,471'. Work free. Back ream out 11 stds. to 9,122'. Trip out hole.
4/21/2007	9,756 (ft)	TOH L/D drill collars & string mill. P/U bit, 2- HWDP, 6" roller reamer. TIH to shoe @ 8,010'. Circulate at shoe while maintenance crew changed oil & service unit. TIH to 9,556'. P/U swivel & ream tight hole f/9,556' to 9566'. ream to 9644'
4/22/2007	9,756 (ft)	Wash & ream f/9,620' to 9,660'. Rig repair- down 2.5 hours. Wash & ream till hole cleaned up. Spot 40 Bbls high vis glycol pill on bottom. Short trip out to shoe at 8,042'. Tight hole at 9,598'. Ok to shoe. TIH tag bridge @ 8,950' Ream out bridge. TIH to
4/23/2007	9,756 (ft)	Circ. cleanup hole. Short trip. Mix & spot 40 Bbls high glycol pill at 9,660'. Trip out hole to run liner. Rig up casing crew. Safety meeting. P/U & run 4 1/2" Liner. P/U liner hanger. Run liner in hole w/ drill pipe slow, filling pipe every 15 stands.
4/24/2007	9,756 (ft)	Run 4-1/2" liner on dp. Wash 46' to btm at 9,660'. Circ. Set liner, Release liner, Cement liner, Set liner packer. Reverse circ. 3 bbls cement back to surface. R/D Halliburton. TOH w/ setting tool, & L/D same. TIH to 7,500' w/ dp. L/D drill pipe.
4/25/2007	9,756 (ft)	L/D drill pipe to 4000'. Liner top was set to short. Stop operation. WOO. Orders to run 533' scab liner. Wait on polish mill to dress liner top. P/U polish mill & TIH to 4,000'. P/U & run 3 1/2" dp off racks f/4,000' to 7,721. Dress liner top. Circ. TOH.
4/26/2007	9,756 (ft)	Trip out hole w/ polish mill. Wait on tie back tools. R/U casing crew. P/U tie back stem, 1- jt csg, Orifice float collar, 10 jts 4.5" casing & packer assy. TIH w/ liner tie back on drill pipe. Set and cement liner.
4/27/2007	9,756 (ft)	Rig Down Cementing Equipment. Nipple Down BOP's. Release Rig @ 0:00 on 4/27/07.
5/4/2007	9,756 (ft)	TGSM. MIRU PU. Spot in BOPs. Took delivery of 76 jts of 2 3/8" tbg. PU 2 3/8" tbg, with 7" casing scraper and bit. SDFWE
5/7/2007	9,756 (ft)	MIRU PU. TGSM. Pick up 149 joints of 3 1/2" L-80 tbg. Tag top of liner @ 7195' POH PU 3 7/8" Bit, 4 1/2" casing scraper, Tag cement @ 7635' Clean out to 7672'. Shut down for the night.
5/8/2007	9,756 (ft)	TGSM. PU swivel and continue drilling in hole to float collar @ 7672'. Drill and clean to 9420'. Unable to drill past this point. TOH & inspect. Bit was worn out. RIH w/ kill string. SDFN
5/9/2007	9,756 (ft)	TGSM. TOH w/ killstring. PU rep bit and 73 joints of 2 7/8" L-80 tailpipe. TIH to 9420' drill and mill to 9558' tag landing collar. DO DC and clean to 9608'. Circulate hole clean.

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5/10/2007	9,756 (ft)	TGSM. RU Halliburton Acid. JSA. Establish circ. Spot 1000 gals 15% HCl down tbg. Could not pump. Rev acid back to transport. Spotted acid down backside and reversed through tbg due to partially plugged bit jets. Pump @ 1 BPM @ 2200#. Circ clean RD HES.
5/11/2007	9,756 (ft)	TGSM. TOH w/ tbg to bit, LD bit and mill. RIH w/ killstring. SDFN
5/14/2007	9,756 (ft)	TGSM. Strapped tbg and guns. PU loaded guns, firing head, sub, ported sub, glass disc, 2' sub, XN profile, PLS pkr, on/off tool, 2 jts 2 3/8" tbg, XO, 71-2 7/8" tbg, XO, 7104.74' of 3 1/2" L-80 tubing. RU WL . Corr. SDFN
5/15/2007	9,756 (ft)	TGSM. Installed subs, set pkr, L&T backside to 1000# OK. NU frac stack. RU HES nitrogen. Test lines to 2000#. Load tbg and psi to 1500#. Attempted to bleed off N2 from load lines. Frac valve leaking ..let bleed off for remainder of the day.
5/16/2007	9,756 (ft)	TGSM. Changed out frac valves. RU HES N2. PSI tbg to 1500 psig. OK Dropped bar. Guns did no fire. WO Slick line. Fished bar. SDFN.
5/17/2007	9,756 (ft)	TGSM. RU CT unit w/ N2. TIH w/ CT & pneumatic piston tool. TIH to vent glass. Continue to jet to firing head. Jet app 6' of fill. Pop firing pin- shot guns. PSI to 3000#. TIH to 80' below gun release. Guns fell away. TOH w/ CT.
5/18/2007	9,756 (ft)	WO Halliburton. Halliburton had a truck totalled on the way to the job. Frac job cancelled until tomorrow afternoon. SDFN
5/19/2007	9,756 (ft)	TGSM. WO Halliburton. RU Halliburton. RU BOC. TGSM. Test lines to 9000#. Pump fracture @ avg rate of 18.5 BPM & avg PSI of 7500 psig. 3800# on well at EOF. 3200# after 30 mins. Turned well through tester for night.
5/20/2007	9,756 (ft)	TGSM. Well flowing @ app 50% CO2 to flare. Well loading up and dying. SWI for 4 hours built to 400 psig. OK Informed crew to leave well SIFN. Notified K. Baker - will install dart and change out tubing.
5/21/2007	9,756 (ft)	Released test equipment. TGSM. RU swab - made app 28 swab runs in 3 1/2" tbg with SFL @ 1800'. Well would flow periodically but load up and die. Decided to change out tbg strings. SWIFN
5/22/2007	9,756 (ft)	TGSM. RU ARC. RIH set X plug. Test plug. Release on/off tool TOH w/ 3 1/2" tubing laying down. Total LD 181 joints. Closed pipe rams. SDFN
5/23/2007	9,756 (ft)	183 jts of 2 3/8" L-80 production string. SDFN



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5/24/2007	9,756 (ft)	TGSM. Finished running remaining 2 3/8" tbg. Latched on to packer. Test pkr w/ to 1000# in 35 bbls. Load backside. Treed up well. RU ARC pull setting and plug. RD ARC . SWIFN
5/25/2007	9,756 (ft)	Well head pressure at 1750#. Blew to frac tank for 6 hours. Well unloading 6 bbls a hour with tubing pressure running at 25#. . Shutdown for the day waiting on tie in to flow well down the line.