

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised August 1, 2011

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

MAR 13 2014

WELL API NO. 30-025-29546
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LOVINGTON DEEP STATE
8. Well Number 1
9. OGRID Number 241333
10. Pool name or Wildcat LOVINGTON
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

**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  
CHEVRON MIDCONTINENT, L.P.

3. Address of Operator  
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location  
 Unit Letter: A 823 feet from the NORTH line and 581 feet from the EAST line  
 Section 1 Township 17S Range 35E NMPM County LEA

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

SUBSEQUENT REPORT OF:

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

OTHER:

OTHER: STIMULATION REPORT

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE FIND ATTACHED, REPORTS FOR WORK DONE FROM 09/27/2013 THROUGH 11/04/2013 FOR STIMULATION OF THE PERFS ON THE SUBJECT WELL.

Spud Date:

Rig Release Date:

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

SIGNATURE

*Denise Pinkerton*

TITLE: REGULATORY SPECIALIST

DATE: 03/05/2014

Type or print name: DENISE PINKERTON

E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com)

PHONE: 432-687-7375

**For State Use Only**

APPROVED BY:

*Bill Lewandak*

TITLE

*Staff Manager*

DATE

*3/17/2014*

Conditions of Approval (if any):

MAR 17 2014



# Summary Report

Major Rig Work Over (MRWO)

Stimulation

Job Start Date: 9/27/2013

Job End Date: 11/4/2013

Well Name LOVINGTON DEEP STATE 001		Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) 3,932.00	Original RKB (ft) 3,952.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Report Start Date: 9/27/2013

Com

Road unit to new location. Convoy rules applied

Production unloading a tank of crude to transport - oil having to be tested due to truck having bad bottoms. Offload equipment. Unable to spot due to movement of oil transport.

Crew travel.

Report Start Date: 9/30/2013

Com

Crew travel

SM: tenet, SWA, HazID, new location hazards - discuss daily activities when working in a battery

MIRU unit. Safety man performed inspection during and after initial RU.

Start ND B-1 adapter to NU BOPE. Need 9"3M x 11"3M spool. NU B-1.

Spot pipe racks. Offload 2 3/8" production tubing. Offload 3 1/2" frac string.

Noon meal

Strap tubing.

ND B-1 adapter. NU 9"3M x 11"3M spool. NU 11"3m BOP.

Test Blind rams and flange break against packer at 510'.

TIH PU production tbg with retrieving head.

Space out and PU swivel. Reverse circulate sand off packer and latch same. Strong gas blow to surface from under packer.

Work to release pkr. Pkr freed up going down but we had to work it free coming up

TOH. LD pkr. Secure well.

Crew travel

Report Start Date: 10/1/2013

Com

CREW TRAVEL TO LOCATION.

JSA AND SAFTEY MEETING.

CHECK SICP HAD 0 PSI. PICKED UP 8.00" RETRIEVING TOOL. TIH WITH 17 JTS TAGGED UP @ 536'. RIGGED UP TBG SWIVEL . CIRCULATE HOLE @ 536' ON RETURNS WERE GETTING SAND. WASHED 2' OF SAND FELL THROUGH. CONTINUE TIH WITH TBG.

CREW REST FOR LUNCH

PICKED 8.00 RETRIEVING TOOL. TIH WITH TOTAL OF 150 JTS OF 2-3/8 J-55 TBG. TAGGED TOP OF PLUG @ 4,764'

RIGGED UP TBG SWIVEL. CIRCUALTE SAND OFF T.S PLUGG. CIRCULAT TOTAL OF 40 BBLs OF BRINE. RELEASED PLUGG WELL HAD PRESSURE HAD 100 PSI. FLOWED WELL DOWN. BULL HEAD 60 BBLs OF BRINE DOWN TBG. WELL ON VACUME.

JSA. CREW TOH WITH 150 JTS OF 2-3/8 J-55 TBG. LAYED DOWN 9-5/8 T.S PLUGG.

JSA. PICKED UP 8-1/4 BIT WITH BIT SUB. CREW TIH WITH 163 JTS OF 2-3/8 J-55 TBG. TAGGED P.B.T.D @ 5,190'.

CREW LAYED DOWN 13 JTS OF 2-3/8 J-55 TBG. LEFT 150 JTS IN HOLE. SECURE WELL SHUT DOWN FOR THE NIGHT.

CREW TRAVEL TO YARD.

Report Start Date: 10/2/2013

Com

CREW TRAVEL TO LOCATION

JSA AND SAFTEY MEETING.

CHECK SICP HAD 0 AND SITP HAD 0 PSI. CREW STARTED OUT LAYING DOWN 2-3/8 J-55 TBG. CREW LAYED DOWN 150 JTS OF 2-3/8 J-55 TBG.

JSA. CHANGED OUT 2-3/8 PIPE RAMS AND PUT ON 3-1/2 RAMS. WEATHERFORD REP FUNCTION TEST B.O.P. FUNCTION GOOD.

CREW REST FOR LUNCH.

JSA. RIGGED UP TBG TESTERS. PICKED UP FRAC PKR 9-5/8X4-1/2 AS-1X WITH T-2 ON/OFF TOOL WITH X NIPPLE FRAC GRADE AND SET 30'. TEST B.O.P TO 800 PSI HELD GOOD. RELEASED PRESSURE.

JSA. TIH WITH 3-1/2 TBG HYDROTESTING TBG IN TO 8,000 PSI. CREW TIH WITH 20 JTS AND TBG TONGS BROKE. CHANGE OUT DIES ASSEMBLY. TOOK 20 MIN. CREW TIH WITH A TOTAL OF 152 JTS OF 3-1/2 TBG. LEFT PKR SWINGING @ 4,774'. RIGGED DOWN TBG TESTERS. SECURE WELL SHUT IN FOR THE NIGHT.

CREW TRAVEL TO YARD.

Report Start Date: 10/3/2013

Com

CREW TRAVEL TO LOCATION.

JSA AND SAFTEY MEETING.

CHECK SICP HAD 0 PSI AND SITP HAD 0 PSI. NIPPLED UP 11"X 7-1/6 5K ADAPTER SPOOL SET PKR @ 4,774'.

PRESSURE TEST CASING AGAINST PKR. PRESSURE TO 100 PSI AND COMMUNICATED AROUND UP THE TBG. HAD PKR HAND PULL MORE TENSION TO PACK OFF TOOL. STILL SAME. MOVED PKR UP HAOLE I JT PKR COMMUNICATED AROUND. DECIDED TO PULL PKR OUT HOLE.

CREW REST FOR LUNCH.



# Summary Report

Major Rig Work Over (MRWO)  
Stimulation  
Job Start Date: 9/27/2013  
Job End Date: 11/4/2013

Well Name LOVINGTON DEEP STATE 001		Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
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Com

TOH WITH 3-1/2 WITH A TOTAL OF 152 JTS OF 3-1/2 TBG. LAYED DOWN 9-5/8 AS-1X FRAC PKR. INSPECTED PKR DID NOT SEE ANTHING WRONG WITH TOOL ON SEAL AREA. PEAK COMPLETION FOUND ANOTHER TOOL FROM BROWN FIELD YARD.

WAITED ON PEAK COMPLETION TO BRING OUT NEW 9-5/8 PKR. WHILE WAITING ON TOOL. ADVISED PKR HAND TO CALLIPER GAGE RING ON TOOL. O.D WAS 8.25'. WEIGHT RANGE FOR THIS O.D IS 43-53#. PKR HAD WRONG ELEMENTS. 9-5/8 IS 40#. O.D FOR TOOL IS 8.50". WEIGHT RANGES ARE FROM 32-43#. PEAK COULD NOT GET PROPPER TOOL UNTIL 7:00 PM. DECIDED TO WEIGHT TIL IN THE MORNING TO GET PROPER TOOL. SECURE WELL SHUT DOWN FOR THE DAY.

CREW TRAVEL TO YARD.

**Report Start Date:** 10/4/2013

Com

CREW TRAVEL TO LOCATION.

JSA AND SAFTEY MEETING.

CHECK SICP HAD 0 PSI. CALLIPER TBG ELAVATERS.

RIGGED UP TBG TESTERS

PICKED UP 9-5/8 PEAK PKR. TIH WITH 5 STANDS TESTING TBG TO 8,000 PSI. SET PKR. PKR WOULD NOT FULLY J-OVER ON THE SET POSITION. ATTEMPTED TO RELEASE PKR. PKR WOULD TRAVEL UP BUT COULD NOT GO DOWN. PULLED 5 STANDS OUT. LAYED PKR DOWN. INSPECTED TOOL PKR WOULD NOT GO ON UNSET POSTION. J-TRACK OF TOOL WAS STUCK. PEAK HAND CALLED OUT FOR ANOTHER TOOL WHICH SECOND TOOL THAT DIDNT WORK PROPERLY.

WAIT ON PEAK COMPLETION TO BRING OUT ANOTHER TOOL. PKR HA ND HAD TO REDRESS TOOL ON LOCATION TO CHANGE OUT GAGE RINGS. PICKED UP PKR ON 1 JT HYDROTEST TOOL TO 8,000 PSI. BOTTOM SUB OF PKR LEAKED. TOOL OPERATER PUT NEW O-RING ON BOTTOM SUB. RETEST TOOL TO 8,000 PSI HELD GOOD.

CREW STARTED IN HOLE WITH 3-1/2 TBG TESTING TBG TO 8,000 PSI. CREW TIH WITH A TOTAL OF 152 JTS OF 3-1/2 TBG.

SET PKR WITH 152 JTS OF 3-1/2 TBG @ 4,774. PKR COMMUNICATED. MOVED PKR TO 4,553 HELD GOOD. HAD COMMUNICATION FROM 4,774-4,553. SECURE WELL SHUT IN FOR THE NIGHT.

CREW TRAVEL TO YARD.

**Report Start Date:** 10/5/2013

Com

CREW TRAVEL TO LOCATION.

JSA AND SAFTEY MEETING WITH BAKER FRAC CREW AND RIGG CREW.

CHECK SICP HAD 0 PSI AND SITP HAD 0 PSI. RIG CREW RIGGED UP FRAC EQUIPMENT. WHILE RIGGING UP BAKER HUGHES SPOT IN ALL FRAC TRUCKS OUT SIDE OF GUIDE WIRES. TEST ALL FRAC EQUIPMENT TO 8,000 PSI

RIG UP BAKER FRAC EQUIPMENT LINES,

PT ALL SURFACE TREATING IRON W/ 8,800 PSI " TEST GOOD "

POP OFF SET @ 7,700 PSI

PT 4" TREATING IRON W/ 8,800 PSI " TEST GOOD" , PERFORM MINI FRAC= OPEN WELL W/ 0 PSI..

1. BREAK EST. RATE 3,500 VIKING 11 BBLs 19 BPM / 5,200 PSI. ISTANLEY SAW COMMUNICATION AROUND PKR WHILE MONITORING CASING SIDE. DECIDED TO GO ON FLUSH. FLUSH WITH 73 BBLs OF FRESH. ISIP HAD 2,600 PSI. BLEED PRESSURE OFF.

CONTACTED ENGINEIR ANFD NOTIFY HIM. DECIDED TO RELEASE FRAC CREW AND PULL PKR OUT HOLE MONDAY DO CASING INSPECTION LOG.

RIGG DOWN BAKER FRAC EQUIPMENT. WHILE RIGGING DOWN NOTICE BOTTOM OF B.OP LEAKING. ADVISE REVERS HAND TO CHECK SICP HAD 2,600 PSI. BLEED PRESSURE OFF QUICK. CLOSE VALVE AND NOTICE PRESSURE WOULD CLIMB TO 2,000 PSI IN 12 MIN QUICK. CONTACTED ENGINEIR DECIDED TO GET FLOW BACK CREW TO FLOW WELL BACK.

CREW TRAVEL TO YARD.

FLOW WELL BACK WHILE. WELL FLOWING BACK ABOUT .25 BBL MIN. WAITED ON GUARDIAN FLOW BACK CREW ARRIVE TO WATCH WELL FOR 24 HRS. COULD NOT SHUT IN WELL DO TO WELL WILL PRESSURE UP IN TO 2,500 PSI IN 13 MIN.FROM 7:30-12:00AM WELL FLOWED 3 BBLs OF WATER. LEFT FLOW BACK CREW WATCH OVER NIGHT.

**Report Start Date:** 10/7/2013

Com

CREW TRAVEL TO LOCATION

JSA AND SAFTEY MEETING.

CHECK SICP HAD 0 PSI AND SITP HAD 100 PSI. BLEED PRESSURE OFF ON TBG. NIPPLE DOWN GOAT HEAD AND ONE TREE VALVE. RELEASED ON/OFF TOOL OFF OF PKR. DO TO TBG HAS GEL.

CIRCULATE GELL OUT OF TBG. CIRCULATE A TOTAL OF 60 BBLs. TBG FLOWING. PUMPED DOWN TBG TOTAL OF 30 BBLs WHILE CHOKING BACKSIDE BACK. WELL ON VACUME.

JSA. NIPPLE DOWN REMAING FRAC VALVE. PKR HAND RELEASED PKR. PKR HAND TROUBLE RELEASING PKR. HAD TO WORK PKR IN ORDER TO RELEASE TOOL. RELEASE PKR. SET IN LAY DOWN MACHINE AND RACKS.

CREW STARTED OUT HOLE WITH TBG. CREW PULLED 145 JTS OF 3-1/2 TBG. LAYED DOWN 9-5/8 PEAK PKR.

JSA. CREW TIH WITH 64 JTS OF 3-1/2 TBG FOR KILL STRING TOTAL DEPTH OF 2,000'. SECURE WELL SHUT IN FOR THE NIGHT.

CREW TRAVEL TO YARD.

**Report Start Date:** 10/8/2013



# Summary Report

Major Rig Work Over (MRWO)

Stimulation

Job Start Date: 9/27/2013

Job End Date: 11/4/2013

Well Name LOVINGTON DEEP STATE 001		Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) 3,932.00	Original RKB (ft) 3,952.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

Crew travel to LOC

SM: tenet, JSA, Operations plan, 360 MySpace, SWA

TOH 32 stands of 3-1/2 Frac string

RU flange and Weatherford wireline, The swedge on the top of the 11 x 3K flange is the wrong size waiting on Weatherford to bring out different flange.

RIH with Weatherford Wireline doing a CIT with a 9-5/8 Casing imaging tool with gamma ray. RIH logging well to 4810' and POOH logging well

CIT run is complete, RD wireline and send log to engineer's

Shut in well for night

Debrief crew

Crew Travel home for night

Report Start Date: 10/9/2013

Com

Crew travel to LOC

SM: tenet, JSA, Operations plan, 360 MySpace, SWA

Laydown 20 jts of 3-1/2 tubing on tubing racks while waiting on 9-5/8 packer

Waiting on Weatherford to bring a 9-5/8 Packer, Weatherford can't get packer to us until the morning. run kill string

TIH 32 stands with a 3-1/2 for a kill string, shut in well for night

debrief crew

Crew travel home

Report Start Date: 10/10/2013

Com

Crew travel to LOC

SM: tenet, JSA, Operations plan, 360 MySpace, SWA

Caliper elevators, TOH 32 Stands of 3-1/2, 9.3# kill string

RU hydro testers and Weatherford 9.625" AS-1 packer with a 2.31 F profile and a on/off tool, Pressure test packer and 1 joint of 3-1/2 tubing to 8000psi

TIH with packer hydrotesting each stand of 3-1/2 tubing to 8000psi set packer at 4025', RD hydro testers

Set packer at 4025', filled back side with fluid and tested backside to 500psi held for 5 minutes good test. bleed off back side to 250psi, Pumped fluid down 3-1/2 tubing at 2.5 bpm at 2500psi, pumped for 5 minutes back side held steady at 250psi, good test

NU Frac stack on well, Pressure test Frac stack to 8000psi hold for 5 minutes, Good test

RD rig and equipment, move off LOC for Frac,

Shut in Well

Debrief crew

Crew travel home

Report Start Date: 10/11/2013

Com

Move in spot equipment

SM: tenet, JSA, Operations plan, 360 MySpace, SWA

RU Frac equipment

Toolbox safety meeting on job scope fro fracuturing the well

Pressure test pump lines and surface equipment to 9826psi set pop off at 7778psi

Start mini Frac

1225; STP, 2678; Annulus, 200; Stage Bbls, 0; Total Bbls, 0; Slurry Rate 0 bpm; Sart breakdown at 4215psi

1237; STP, 3837; Annulus, 200; Stage Bbls, 43; Total Bbls, 43; Slurry Rate 23 bpm; Slick Water

1244; STP, 3564; Annulus, 200; Stage Bbls, 157; Total Bbls, 200; Slurry Rate 35 bpm; Shut down to monitor well

1247; STP, 4275; Annulus, 200; Stage Bbls, 0; Total Bbls, 200; Slurry Rate 0 bpm; Start Viking 3500 Minifrac

1253; STP, 5209; Annulus, 200; Stage Bbls, 202; Total Bbls, 402; Slurry Rate 35.6 bpm; 35# Linear flush

1256; STP, 3123; Annulus, 200; Stage Bbls, 109; Total Bbls, 511; Slurry Rate 35.2 bpm; Shut down

1300; Complete stage 1, waiting to see if formation closes

Treating Pressure; Min. 2678psi, Max; 5596psi, Average; 3817psi

Injection rates; Treating Fluid 35 Bpm, Fluse; 35 Bpm, Average 35 Bpm

Shut in Pressure; ISDP 3878psi, 5 min. 0, 10 min. 0, 15 min. 0, Final pressure 2867

Fluid Dens. lb/gal 8.34



# Summary Report

Major Rig Work Over (MRWO)  
Stimulation  
Job Start Date: 9/27/2013  
Job End Date: 11/4/2013

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Com

Formation closed. Mini Frac good.  
Start Main Frac

- 1347; STP, 0; Annulus, 200; Stage Bbls, 0; Total Bbls, 0; Slurry Rate, 0 bpm; Start breakdown
- 1348; STP, 3085; Annulus, 200; Stage Bbls, 8; Total Bbls, 8; Slurry rate, 0 bpm; Start Spearhead Acid
- 1355; STP, 3454; Annulus, 200; Stage Bbls, 82; Total Bbls, 90; Slurry Rate, 10.5 bpm; Start Pad
- 1420; STP, 5068; Annulus, 200; Stage Bbls, 832; Total Bbls, 922; Slurry Rate 34.9 bpm; Start .25 ppg brown sand
- 1423; STP, 5046; Annulus, 200; Stage Bbls, 114; Total Bbls, 1036; Slurry Rate 34.9 bpm; Start .5 ppg brown sand
- 1429; STP, 5072; Annulus, 200; Stage Bbls, 193; Total Bbls, 1229; Slurry Rate 34.8 bpm; Start 1 ppg brown sand
- 1435; STP, 5003; Annulus, 200; Stage Bbls, 220; Total Bbls, 1449; Slurry Rate 34.7 bpm; Start 2 ppg brown sand
- 1444; STP, 4950; Annulus, 200; Stage Bbls, 311; Total Bbls, 1760; Slurry Rate 34.7 bpm; Start 3 ppg brown sand
- 1455; STP, 4909; Annulus, 200; Stage Bbls, 378; Total Bbls, 2138; Slurry Rate 34.7 bpm; Start 4 ppg brown sand
- 1455; STP, 4909; Annulus, 200; Stage Bbls, 112; Total Bbls, 2250; Slurry Rate 34.3 bpm; Start 5 ppg brown sand
- 1458; STP, 4853; Annulus, 200; Stage Bbls, 149; Total Bbls, 2399; Slurry Rate 34.3 bpm; Start 6 ppg Super LC Sand
- 1503; STP, 4769; Annulus, 200; Stage Bbls, 187; Total Bbls, 2586; Slurry Rate 34.4 bpm; Start Flush
- 1510; STP, 4156; Annulus, 200; Stage Bbls, 99; Total Bbls, 2685; Slurry Rate 34.1 bpm; Shut Down ISP
- 1511; Complete stage 2

Treating Pressure; Min. 4322psi, Max; 5182psi, Average; 4957psi  
Injection rates; Treating Fluid 35 Bpm, Fluse; 34.7 Bpm, Average 34.7 Bpm  
Shut in Pressure; ISDP 2962psi, 5 min. 2877; 10 min. 2861; 15 min. 2832; Final pressure 2832 in 15 Minutes  
Fluid Dens. lb/gal 8.32

RD Frac equipment. Move Out

Report Start Date: 10/12/2013

Com

Went over job scope, possibly H2S, pinch point, hand placement while hammer up equipment, and 2 man lifts while picking up and carrying flow back lines

RU flow back equipment

Time	Chk	Tub	H2o	Cum.
	64ths	psi	bbbs	bbbs
19:00	13/64A	2400	19	19
20:00	13/64A	2400	25	44
21:00	14/64A	2400	22	66
22:00	12/64A	2300	47	113
23:00	12/64A	2300	38	151
00:00	13/64A	2300	24	175

No oil or gas

Report Start Date: 10/13/2013



# Summary Report

Major Rig Work Over (MRWO)

Stimulation

Job Start Date: 9/27/2013

Job End Date: 11/4/2013

Well Name LOVINGTON DEEP STATE 001		Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) 3,932.00	Original RKB (ft) 3,952.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

Time	Chk	Tub	H2o	H2o Cum.
	64ths	psi	bbbls	bbbls
01:00	13/64A	2200	36	36
02:00	13/64A	2200	27	63
03:00	13/64A	2200	32	95
04:00	13/64A	2100	37	132
05:00	13/64A	2000	32	164
06:00	13/64A	2000	33	197
07:00	13/64A	2000	31	228
08:00	13/64A	1900	27	255
09:00	13/64A	1800	32	287
10:00	13/64A	1700	35	322
11:00	13/64A	1600	31	353
12:00	13/64A	1500	45	398
13:00	13/64A	1400	31	429
14:00	13/64A	1250	31	460
15:00	14/64A	1100	27	487
16:00	14/64A	1000	24	511
17:00	14/64A	900	21	532
18:00	16/64A	800	16	548
19:00	18/64A	500	21	569
20:00	26/64A	250	26	595
21:00	32/64A	100	18	613
22:00	38/64A	40	15	628
23:00	44/64A	15	11	639
00:00	3/4"	2	12	651

Report Start Date: 10/14/2013

Com

Time	Chk	Tub	H2o	H2o Cum.
	64ths	psi	bbbls	bbbls
01:00	3/4"	2	10	10
02:00	2"	2	6	16
03:00	2"	2	11	27
04:00	2"	2	8	35
05:00	2"	2	4	39
06:00	2"	2	6	45
07:00	2"	2	3	48
08:00	2"	2	3	51
09:00		86	0	51
10:00	2"	2	3	54
11:00	2"	2	2	56
12:00	2"	2	2	58
13:00	2"	2	1	59
14:00	2"	2	1	60
15:00	2"	2	2	62
16:00	2"	2	2	64
17:00	2"	2	3	67
18:00	2"	2	3	70

No oil or gas returned

Report Start Date: 10/14/2013

Com

Report Start Date: 10/29/2013

Com

Crew in transit to loc.  
 Safety meeting with all personnel on loc.  
 Road rig from VGSA unit #12 to loc.  
 RUPU, set in lay down machine, pipe racks, set 2-3/8" tbg. on racks, set reverse pump and pit, run lines to wellhead  
 Hook up blow down line to goat head, 120# on tbg. blow down to pit, tbg. dead. Pressure up on BOP against packer to 250#, test good, pressure up to 500#, test good. ND goat head, NU lift sub, release Weatherford packer, well U-tubing wait for well to balance, lay down Guardian well head assembly.  
 Gauge elevators, POOH with 3-1/2" frac string laying down. Left kill string in hole. SIFN  
 Crew in transit to yard

Report Start Date: 10/30/2013

Com

Crew in transit to loc.  
 Safety meeting with all personnel on loc.



# Summary Report

Major Rig Work Over (MRWO)

Stimulation

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Job End Date: 11/4/2013

Well Name LOVINGTON DEEP STATE 001		Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
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Com

Remove adapter spool. Gauge elevators. POOH with remainder of 3-1/2" tbg. and Weatherford packer, laying down. Change pipe rams on BOP to 2-3/8". PU Weatherford packer RIH one joint 2-3/8" tbg. test BOP to 250# and 500#. Lay down packer.

Safety meeting with Basin test personnel and all personnel on loc.

RU Basin testers equipment, RIH with 8-3/4" MT bit and 2-3/8" tbg. testing 2-3/8" tbg. to 5000#. tag sand at 4910', 182' of fill.

POOH wit 8 stands tbg., RIH with remaining 10 joints tbg. testing. EOT at 4727', top perf at 4867" RD Basin tbg. testing equipment. Lay down 10 joints to clean out fill with. SIFN

Crew in transit to yard

**Report Start Date:** 10/31/2013

Com

Crew in transit to location

Safety meeting with all personnel on location

Gauge elevators, RIH tag fill at 4910', RUPS, break reverse circulation with 10# brine water, drill down to PBTD at 5192', getting good returns, attempt to reverse circulate clean, tbg plugged off. POOH with three wet joints. Call wire-line to perf tbg.

Wait on wire-line, install rod boxes on rods.

Safety meeting with Rotary wire-line personnel and all personnel on loc.

RU Rotary wire-line equipment, RIH to 154' tagged up. perf tbg. RD Rotary wire-line equipment

Guage elevators, POOH with tbg. lay down 12 joints cleaning sand out. POOH standing back clean tbg.

Crew in transit to yard

**Report Start Date:** 11/1/2013

Com

Crew in transit to location

Safety meeting with all personnel on location; Review compliance assurance, slide show and discuss issues.

Safety meeting with Rotary wire-line personnel and all personnel on location.

RU Rotary wire-line equipment, RIH tag at 5183', POOH PU cement bailer, RIH spot cement at 5183'. POOH reload bailer, RIH spot cement. Top of cement at 5173'. POOH Rd Rotary wire-line equipment.

Wait on 9-5/8" Weatherford packer

PU Weatherford 9-5/8" packer, RIH with 126 joints tbg. set packer at 4027', set packer. Load and test casing to 500#, pumping into casing leak at 300#, POOH to 3708', test casing same leak, POOH to 3389' held 500#, RIH to 3548' leak off, POOH to 3517' pressure up to 500# held good.

POOH with 2-3/8" tbg. standing back and lay down packer. SIFN

Crew in transit to yard

**Report Start Date:** 11/2/2013

Com

Crew in transit to location

Safety meeting with all personnel on location

Gauge elevators, PU:

Sand screen

Seating nipple

2- joints 2-3/8" coated tbg.

5- joints 2-3/8" J-55 bare tbg.

1- TAC

2- joints 2-3/8" J-55 bare tbg.

1- sub 2-3/8" J-55 bare

147- joints 2-3/8" J-55 bare tbg.

TACat 4769.51

SN at 4994.15

EOT at 5018.05

Had to lay down one joint to get tbg. anchor to set

NDBOP, NUWH

PU;

1- 2" Insert pump ( Garner pumps)

16- 1.5" X 25' K-bars

110- 3/4" weatherford HD rods

71- 7/8" Weatherford HD rods

3- pony rods -20'

1- 1-1/2" X 26' polish rod

PU horse head and hang, install stuffing box, space out rods, test pump. SIFN

Crew in transit to yard

**Report Start Date:** 11/4/2013



# Summary Report

Major Rig Work Over (MRWO)

Stimulation

Job Start Date: 9/27/2013

Job End Date: 11/4/2013

Well Name LOVINGTON DEEP STATE 001		Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) 3,932.00	Original RKB (ft) 3,952.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

Crew in transit to location

Safet meeting with all personnel on location

Space out rods. Replace flow line connections.

RDPU, load pipe racks, reverse unit, pit, tanks, 3-1/2" frac string ( send to Knight) load excess prod. tbg. send to 1788, load BOP send to Weatherford, load change over spools send to D&L and clean location.