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

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-29546

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

HOBBS OCD

7. Lease Name or Unit Agreement Name
LOVINGTON DEEP STATE

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

8. Well Number 1

2. Name of Operator
CHEVRON MIDCONTINENT, L.P.

JUL 18 2014

9. OGRID Number 241333

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

RECEIVED

10. Pool name or Wildcat
SAN ANDRES (97999)

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

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER:		OTHER: RECOMPLETE TO SAN ANDRES - RTP	

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 05/16/2013 THROUGH 05/31/2013 FOR THE PLUGBACK TO THE SAN ANDRES FORMATION.
ALSO FIND ATTACHED, REPORTS FOR WORK DONE FROM 09/27/2013 THROUGH 11/04/2013 FOR STIMULATION REPORT.

04/09/2014: ON 24 HR OPT. PUMPING 1 OIL, 2 GAS, & 0 WATER.

PERFS: 4867- 5016; (05/17/2013) 10,128 – 12,802' (07/01/1986)
TBG: 2 3/8" TBG SET @ 5017' (11/02/2013)

P&A R ___ CHG Loc ___ Plugback dm

Spud Date: ___ Rig Release Date: ___

E-PERMITTING P&A NR ___ INT to P&A ___ CSNG MB TA ___

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: 07/17/2014

AUG 27 2014

Type or print name: DENISE PINKERTON E-mail address: leakejd@chevron.com PHONE: 432-687-7375

For State Use Only

APPROVED BY: ___ TITLE Petroleum Engineer DATE 08/26/14

AUG 29 2014

Conditions of Approval (if any):
PA Shoe Bar Upper Penn South & Shoe Bar Wolfcamp South

Summary Report

Major Rig Work Over (MRWO)
Completion - Reconfigure
Job Start Date: 5/16/2013
Job End Date: 5/31/2013

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Report Start Date: 5/16/2013
Com
~~Travel time~~
~~Review JSA's, tenet #6, hazard i.d. wheel #6, e-colors #6, caliper tbg elevators~~
~~Wait on tbg spool and forklift to arrive to location~~
~~ND BOP's~~
~~Use Greene's Energy Corp. to hydraulically break off the bolts between tbg head and wellhead~~.
~~NU B-4 Flange w/ TIW valve on top and sdon~~
~~Travel time~~
Report Start Date: 5/17/2013
Com
~~Travel time~~
~~Review JSA's, tenet #7, hazard i.d. wheel #7, e-colors #7, caliper tbg elevators~~
~~Have welder cut off bolts from wellhead to tbg head~~
~~Remove tbg head from wellhead~~
~~NU new x over spool from QCI~~
NU BOP
Test BOP. Test blind rams to 500# high and 250 # low, held good. RIH w/ 4 jts of 2-7/8" WS and test PKR and set PKR to test annular at 500# high and 250# low, held good
RU Baker Hughes wireline. PU lubricator and test to 500#, held good. RIH w/ 1st perf gun and GR and CCL logs. Correlate logs to past log. Shoot 1st perf gun @ 5009'-5016'. POOH w/ 1st perf gun. RIH w/ 2nd perf gun and shoot perfs @ 4950'-4958'. POOH w/ 2nd perf gun. RIH w/ 3rd perf gun and shoot perfs @ 4916'-4926'. POOH w/ 3rd perf gun. RIH w/ 4th perf gun and shot perfs @ 4867'-4877'. POOH w/ 4th perf gun. All perfs shot were @ 2 SPF. RD lubricator. RD Baker Hughes. SDON
~~Travel time~~
Report Start Date: 5/18/2013
Com
~~Travel time~~
~~Review JSA's, tenet #8, hazard i.d. wheel #8, e-colors #8, caliper tbg elevators~~
~~Do BOP, Spill, Fire, Evacuation, High Angle Rescue drills~~
RU Hydrostatic Pipe Services. Hydrotest tbg while TIH w/ 151 jts of 2-7/8" WS to 6000#
Set PKR @ 4766' and test to 500#, held good
RU Petroplex Acidizing. Test lines to 5889#. Start pumping w/ FW to establish rate, after 2 bbls PKR started communicating. Pack off on PKR w/ 50 points and re-test to 500# again, held good. Start pumping w/ FW again. Pumped less than 1 bbl of FW @ .1 BPM and tbg pressure rose to 4800-4900#. Stopped pumping. Decided to spot acid over perfs on monday morning to break down perfs and then attempt acid job. Sdon.
~~Travel time~~
Report Start Date: 5/20/2013
Com
~~Travel time~~
~~Review JSA's, tenet # 10, hazard i.d. wheel #10, e-colors #10, caliper tbg elevators~~
Attempt to release PKR. Put torque on WS w/ wrenches, but was not enough torque necessary to release PKR, needed to RU power swivel.
RU power swivel
Release PKR by applying torque on WS
RD power swivel
TIH w/ 8 jts of 2-7/8" to 5017'
RU Petroplex Acidizing. First acid spot treatment started by testing lines to 5711#. Started pumping 4 bbls of BW to establish rate, then switched to 15% HCl acid. Pumped 11 bbls of acid, then followed with 17 bbls of BW to spot acid. Opened well to let acid spot balance out, instead U-tubed and started flowing back all 17 bbls of BW until acid started flowing back, shut well in. Re-evaluated situation and found we didn't pump enough BW to push acid past bottom of tbg to spot on formation. Reverse circulated out all acid in the tbg w/ 20 bbls of BW. Started pumping second acid spot w/ 1 bbl of BW to establish rate. Then switched to acid and pumped 11 bbls of acid, followed by 28.2 bbls of BW to spot acid on formation. Opened well up to let acid spot balance out.
TOH w/ 8 jts of 2-7/8" WS to 4766'
Set PKR by pulling 50 points to pack off. Test to 500#, held good

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Com
Started to pump BW to see if we could pump into formation. Was able to pump BW @ 1 BPM @ 4950# consistently. Decided to open bypass valve on PKR and pump down tbg w/ 22 bbls of acid, then shut the bypass valve and continue pumping acid @ 1 BPM. Pumped another 10 bbls to get acid onto formation. Once 32 bbls of acid were pumped, noticed formation starting to breakdown @ 4865#, so increased to 2.6 BPM. Formation really broke down @ 36 bbls pumped. At 40 bbls of acid pumped, increased rate to 5 BPM @ 4632#. At 50 bbls pumped, 4000#. At 55 bbls pumped, 3870#. At 60 bbls pumped, 3827#. At 65 bbls pumped, 3810#. At 73 bbls pumped, this was all the acid left on location and pressure was @ 3815#. Switched to FW flush at this point. Pumped 60 bbls of FW flush. then SDON. ISIP = 2873# — Total fluid = 133.5 bbls + 5 mins = 2781# — Average Rate = 2.95 BPM +10 mins = 2737# — Max Rate = 5.1 BPM +15 mins = 2711# — Average Pressure = 4298# Max Pressure = 4978#
~~Travel time~~
Report Start Date: 5/21/2013
Com
~~Travel time~~
~~Review JSA's, tenet #1, hazard i.d. wheel #1, e colors #1, caliper tbg elevators~~
Well had 2600# in morning. Opened well to bleed off pressure, went from 2600# down to 0# within 1 minute. Left well open to flow back load for 3 hours. Flowed back 9.6 bbls of FW then well quit flowing back.
~~Key Audit for Rig 307~~
RU swabbing equipment. Make 2 swab runs and swab back 15 bbls of dirty water between the 2 runs. Tthen lubricator hose on swab equipment broke after 2nd swab run..
~~Wait on Key rig pusher to bring out equipment.~~
Start swabbing again. Swabbed 4 more times. On 3rd run got 6 bbls of dirty water and some acid gas. On 4th run got 6 more bbls of dirty water and a little bit more acid gas. On 5th run got 4 bbls of dirty water, but this time there was actually oil in it. Took a sample and got a 5-7% oil cut in the sample bottle. On 6th run the tbg was dry. Total fluid retrieved from well was 41 bbls out of 133.5 bbls pumped during acid job, Got 10 bbls from flowing back and 31 bbls from swabbing. SDON.
~~Travel time~~
Report Start Date: 5/22/2013
Com
~~Travel time~~
~~Review JSA's, tenet #2, hazard i.d. wheel #2, e colors #2, caliper tbg elevators. Also discussed dangers in driving to and from work, relating to the truck accident near the office.~~
Well had 50# on it in the morning, bleed off all pressure
RU lubricator and swab line and start swabbing back more load. Total of 6 swabbing runs and a total of 13 bbls swabbed as follows: 1st - Swab out 6.5 bbls. Took two samples, one towards the beginning of the 6.5 bbls and one towards the end. The first sample was mostly oil. The second sample had >5% oil cut. 2nd - Swab out 3 bbls. Took two samples again, the first and the second both had >5% oil cut. 3rd - Wait one hour and swab out 2 bbls. Oil cut was between 5-7%. 4th - Wait one hour and swab 1/2 - 1 bbl. Oil cut was between 5-7%. Slightly more oil than the prior swab. 5th - Wait two hours and swab 1/2 bbl. Oil cut was between 5-8%. Slightly more oil than the prior swab. 6th - Wait 2.5 hours and swab 1/2 bbl. Oil cut was between 5-10%. More oil than prior swab. SDON
~~Travel time~~
Report Start Date: 5/23/2013
Com
~~Travel time~~
~~Review JSA's, tenet #3, hazard i.d. wheel #3, e colors #3, caliper tbg elevators~~
Swab well 4 times throughout day, rnging from 1.5 to 2.5 hours between swabs. Swabs were as follows: 1st - Swab 1 bbl w/ 5-10% oil cut 2nd - Swab 1/2 bbl w/ 5-10% oil cut 3rd - Swab 1/2 bbl w/ 5-10% oil cut 4th - Swab 1/2 bbl w/ 5-10% oil cut ~~SDON due to thunderstorms rolling in~~
~~Travel time~~

Chevron

Summary Report

Major Rig Work Over (MRWO)
Completion - Reconfigure
Job Start Date: 5/16/2013
Job End Date: 5/31/2013

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Report Start Date: 5/24/2013

Com
~~Travel time~~
~~Review JSA's, tenet #4, hazard i.d. wheel #4, e-colors #4~~, caliper tbg elevators. Do WTJSA w/ Petroplex
~~Do BOP, Spill, Fire, Evacuation, High Angle Rescue Drills. Also do Rig Inspection~~
RU Petroplex Acidizing. Test lines to 7154#. Start pumping BW to load tbg then establish rate. Pump 28.9 bbls of BW and then switch over to acid. Start pumping @ 4 BPM and 3100#, then increase rate to 5 BPM and 3400#. Dropped first 10 7/8" RCN ball sealers after 15 bbls of acid pumped, then dropped 10 more every 13 bbls pumped until no more acid left for a total of 140 balls dropped. - Acid hit formation @ 35.2 bbls acid pumped @ 3570# - 1st 10 balls hit @ 50 .2 bbls pumped @ 3125# - Right before first set hit, dropped rate back to 3BPM. After balls hit, increased rate back up to 4 BPM and 3450#. - 2nd 10 balls hit @ 63 bbls pumped and 3432# - Incresed rate up to 5.1 BPM and 3747# - 3rd set of balls hit @ 76 bbls pumped and 3804# - 4th set of balls hit @ 86 bbls pumped and 5130# - Dropped rate back to 3 BPM and held @ 4500# - 5th set of balls hit @ 102 bbls pumped and 4825# ***Formation broke down @ 109 bbls acid pumped. Went from 4950# and fell down to 3400#. Still @ 3 BPM*** - 6th set of balls hit @ 112 bbls pumped and 4100# - Increased rate up to 4.4 BPM and held @ 3775# - 7th set of balls hit @ 123 bbls pumped and 4100# - At 126 bbls pumped pressure rose to 4750#, then broke down to 3670# @ 128 bbls pumped - 8th set of balls hit @ 138 bbls pumped and 4049#, then broke down some more - 9th set of balls hit @ 151 bbls pumped and 3950# - 10th set of balls hit @ 165 bbls pumped and 3963# - Increased rate up to 5 BPM and held @ 3980# - 11th set of balls hit @ 179 bbls pumped and 5200# -Decreased rate to 3.6 BPM and 5450# - Wouldnt break down so decreased rate to 2.4 BPM and 4467# ***Balled out at this point*** - 12th set of balls hit @ 192 bbls pumped and 4500# - 13th set of balls hit @ 206 bbls pumped and 4750# ***Note, only pumped 193 bbls of acid so started pumping flush of FW here*** - 14th set of balls hit @ 220 bbls pumped and 4900#
Continued pumping FW flush. Pumped 30 bbls of FW @ 4910#. Surged off balls from perfs, then started pumping FW again for 30 more bbls @ 5.1 BPM and 3830#. ISIP = 3212# Total pumped = 253 bbls +5 mins = 2980# Max Pressure = 5479# +10 mins = 2930# Avg Pressure = 3700# +15 mins = 2948# Max Rate = 5.2 BPM Avg Rate = 4 BPM ***Had to continue here cause I ran out of room on the above section, so this is a continuation of row #4***
Well had 3000# after 3 hours of letting acid spend. Open well up to flow, pressure dropped to 100# and started to flow back. Flowed back a total of about 100 bbls then stopped. SDON.
~~Travel time~~

Report Start Date: 5/28/2013

Com
~~CREW TRAVEL TO LOCATION~~
~~JSA~~
WHPSI- 2,000 PSI (TBG), 1100 PSI (ANN). FLOWED DOWN TBG (8 BBL), BLEED DOWN ANNULUS.
START SWABBING. FIRST RUN FLUID LEVEL WAS 800'. SWABBED TBG DOWN TO SN IN 5 RUNS. SD FOR TWO HOURS, 150' FLUID ENTRY (SLIGHT OIL CUT), SD FOR TWO HOURS, 100' FLUID ENTRY (SLIGHT OIL CUT), SD FOR TWO HOURS, 100' FLUID ENTRY (SLIGHT OIL CUT). TOTAL FLUID RECOVERED TODAY WAS 41 BBL. SDFN
~~CREW TRAVEL HOME~~

Report Start Date: 5/29/2013

Com
~~CREW TRAVEL TO LOCATION~~
~~JSA~~
WHPSI 0 PSI NO BLOW. RIH W SWAB LINE. FLUID ENTRY OVER NIGHT 950'. SWAB TBG TO SN FIRST RUN (5%+/- OIL CUT). SD 2 HOURS. SWAB TBG, 50' FLUID ENTRY.

Summary Report

Major Rig Work Over (MRWO)
Completion - Reconfigure
Job Start Date: 5/16/2013
Job End Date: 5/31/2013

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Com
RU POWER SWIVEL,
UNSET PKR. HAD TROUBLE GETTING PKR UNSET.
RD POWER SWIVEL
START POOH LAYING DOWN 2.875" WORKSTRING. (LAST 20 JTS WERE DAMAGED BY ACID)(WEATHERFORD 9.625" AS-1 PKR TOP SLIP CAGE WAS BROKEN). SDFN
~~CREW TRAVEL HOME~~
Report Start Date: 5/30/2013
Com
~~CREW TRAVEL TO LOCATION~~
~~JSA~~
~~GAUGE AND CALIPER TOOLS (WEATHERFORD RBP BROUGHT OUT TO LOCATION WAS TO BIG TO RUN IN THROUGH THE 9" BOP.)~~ (WEATHERFORD HOTSHOT THE 9.625" AS-1 PKR IN FOR REDRESS AND TO BE USED AS UPPER PLUG.)
WHPSI 0 PSI. RIH W WEATHERFORD 9.625" TS PLUG.
SET PLUG AT 4765'.
LOAD WELL WITH WATER. PRESSURE TEST TO 500 PSI (GOOD FOR 30 MIN).
POOH LAYING DOWN EXCESS 2.375"" PRODUCTION STRING.
SDFN"
~~CREW TRAVEL HOME~~
Report Start Date: 5/31/2013
Com
~~CREW TRAVEL TO LOCATION~~
~~JSA~~
RIH W 9.625" AS-1 W H VALVE ON TOP.
SET PKR AT 510'
POOH LAYING DOWN TBG
ND BOP (DUMP 4 SACKS OF SAND ON TOP OF PKR).
~~RD PU AND PREP FOR FIELD MOVE~~
~~FIELD MOVE RIG TO STATE "AN" 006~~

Report Printed: 7/15/2014

Summary Report

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

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

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 transports.
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.

Report Printed: 7/14/2014

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

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 CAGE 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 CAGE 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 ENGENEIR 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 ENGENEIR 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

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

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 fracturing 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; Slrurry Rate 0 bpm; Sart breakdown at 4215psi
1237; STP, 3837; Annulus, 200; Stage Bbls, 43; Total Bbls, 43;Slrurry Rate 23 bpm; Slick Water
1244; STP, 3564; Annulus, 200; Stage Bbls, 157; Total Bbls, 200; Slrurry Rate 35 bpm; Shut down to monitor well
1247; STP, 4275; Annulus, 200; Stage Bbls, 0; Total Bbls, 200;Slrurry Rate 0 bpm; Start Viking 3500 Minifrac
1253; STP, 5209; Annulus, 200; Stage Bbls, 202; Total Bbls, 402; Slrurry Rate 35.6 bpm; 35# Linear flush
1256; STP, 3123; Annulus, 200; Stage Bbls, 109; Total Bbls, 511; Slrurry 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

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Com
Foramation 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 carring flow back lines~~
~~RU flow back equipment~~

Time	Chk 64ths	Tub psi	H2o bbls	Cum. bbls
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

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Com

Time	Chk 64ths	Tub psi	H2o bbls	H2o Cum. bbls
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 64ths	Tub psi	H2o bbls	H2o Cum. bbls
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.~~

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

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

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

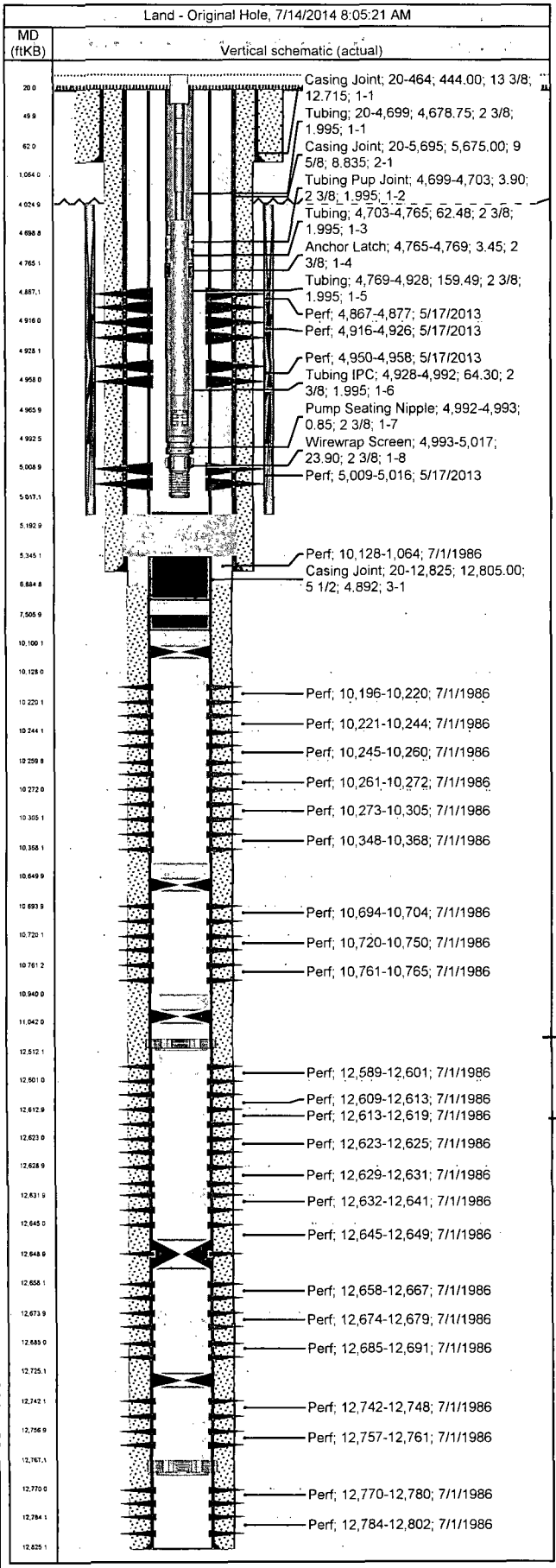
Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

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~~.

Report Printed: 7/14/2014

Wellbore Schematic

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



Job Details

Job Category	Start Date	Release Date
Major Rig Work Over (MRWO)	9/27/2013	11/4/2013

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Surface	13 3/8	48.00	H-40		464
Intermediate Casing 1	9 5/8	40.00	K-55		5,695
Production Casing	5 1/2	17.00	L-80		12,825

Tubing Strings

Tubing - Production set at 5,017.1ftKB on 11/2/2013 07:30

Tubing Description	Run Date	String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production	11/2/2013	4,997.12	5,017.1

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing	0	2 3/8	4.70	J-55	4,678.75	4,698.8
Tubing Pup Joint	1	2 3/8	4.70	J-55	3.90	4,702.7
Tubing	2	2 3/8	4.70	J-55	62.48	4,765.1
Anchor Latch	1	2 3/8			3.45	4,768.6
Tubing	5	2 3/8	4.70	J-55	159.49	4,928.1
Tubing IPC	2	2 3/8	4.70	J-55	64.30	4,992.4
Pump Seating Nipple	1	2 3/8			0.85	4,993.2
Wirewrap Screen	1	2 3/8			23.90	5,017.1
						5,017.1

Rod Strings

Weatherford HD on 11/2/2013 10:30

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Weatherford HD	11/2/2013	4,978.00	4,992.0

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Polished Rod	1	1 1/2			26.00	40.0
Pony Rod	1	7/8			10.00	50.0
Pony Rod	1	7/8			8.00	58.0
Pony Rod	1	7/8			4.00	62.0
Sucker Rod	70	7/8	2.22	D	1,750.00	1,812.0
Sucker Rod	110	3/4	1.63	D	2,750.00	4,562.0
Sinker Bar	16	1 1/2	6.01		400.00	4,962.0
Pony Rod guided	1	1 1/2			4.00	4,966.0
Rod Insert Pump	1	1 1/2			26.00	4,992.0

Perforations

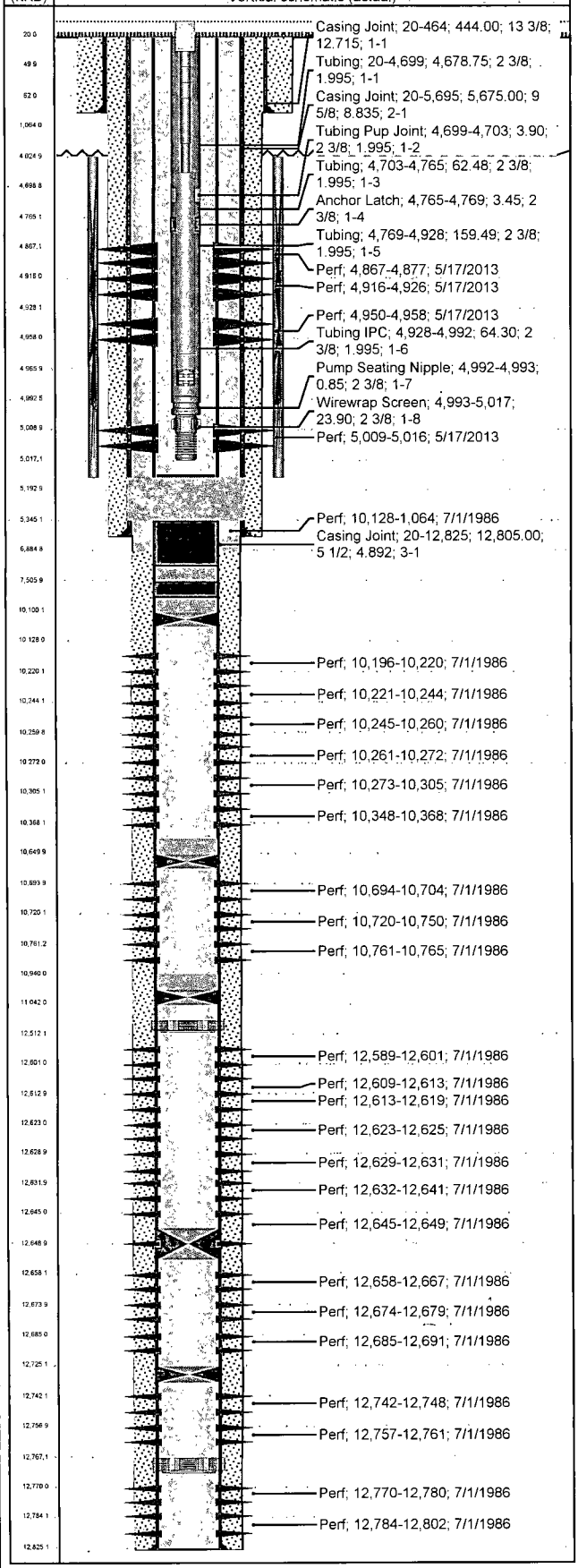
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
5/17/2013	4,867.0	4,877.0	2.0	20	
5/17/2013	4,916.0	4,926.0	2.0	20	
5/17/2013	4,950.0	4,958.0	2.0	16	
5/17/2013	5,009.0	5,016.0	2.0	14	
7/1/1986	10,128.0	1,064.0			
7/1/1986	10,196.0	10,220.0			
7/1/1986	10,221.0	10,244.0			
7/1/1986	10,245.0	10,260.0			
7/1/1986	10,261.0	10,272.0			
7/1/1986	10,273.0	10,305.0			
7/1/1986	10,348.0	10,368.0			
7/1/1986	10,694.0	10,704.0			

Report Printed: 7/14/2014

Wellbore Schematic

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

Land - Original Hole, 7/14/2014 8:05:21 AM



Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
7/1/1986	10,720.0	10,750.0			
7/1/1986	10,761.0	10,765.0			
7/1/1986	12,589.0	12,601.0			
7/1/1986	12,609.0	12,613.0			
7/1/1986	12,613.0	12,619.0			
7/1/1986	12,623.0	12,625.0			
7/1/1986	12,629.0	12,631.0			
7/1/1986	12,632.0	12,641.0			
7/1/1986	12,645.0	12,649.0			
7/1/1986	12,658.0	12,667.0			
7/1/1986	12,674.0	12,679.0			
7/1/1986	12,685.0	12,691.0			
7/1/1986	12,742.0	12,748.0			
7/1/1986	12,757.0	12,761.0			
7/1/1986	12,770.0	12,780.0			
7/1/1986	12,784.0	12,802.0			

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

Other In Hole

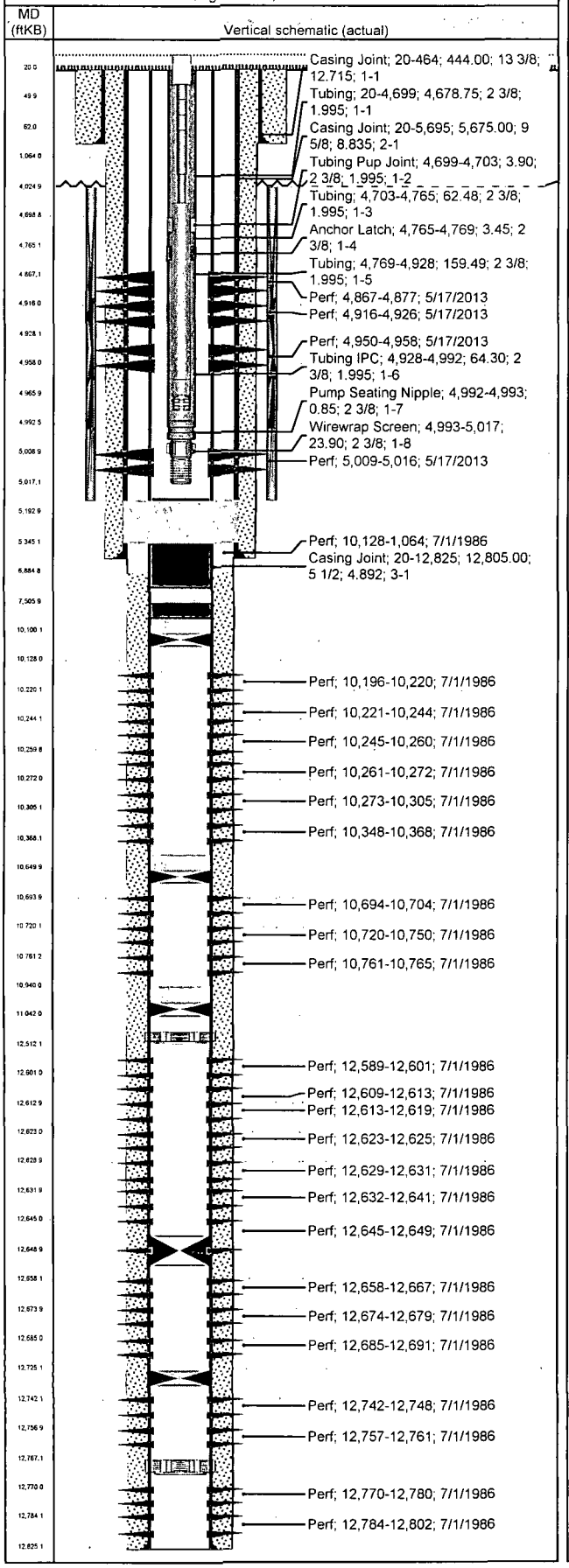
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Fill (Sand / Mud / Debris)	507.0	510.0	5/31/2013	9/30/2013	
Bridge Plug (Retrievable) TTS	510.0	516.0	5/31/2013	9/30/2013	
Bridge Plug (Retrievable) TTS	4,765.0	4,771.0	5/30/2013	10/1/2013	
Cement	5,192.0	5,345.0	5/15/2013		
Cement	5,193.0	5,203.0	11/1/2013		
Abandonment Fluid	5,345.0	7,000.0	5/14/2013		
Cement	7,000.0	7,506.0	5/14/2013		
Abandonment Fluid	7,506.0	10,065.0	5/14/2013		
Cement	10,065.0	10,100.0	5/13/2013		
Cement	10,065.0	10,100.0			
Bridge Plug (Permanent)	10,100.0	10,102.0	5/13/2013		
Cement	10,615.0	10,650.0	5/13/2013		

Report Printed: 7/14/2014

Wellbore Schematic

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

Land - Original Hole, 7/14/2014 8:05:21 AM



Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (Permanent)	10,650.0	10,652.0	5/13/2013		
Cement	10,940.0	11,040.0	5/10/2013		
Bridge Plug (Permanent)	11,040.0	11,042.0	5/10/2013		
Cement Retainer	12,510.0	12,512.0			
Bridge Plug (Permanent)	12,648.0	12,650.0			
Bridge Plug (Permanent)	12,725.0	12,727.0			
Cement Retainer	12,767.0	12,769.0			

4-9-14 TD-12,825

OIC 1
SWD 12
WTR 1
DOR 12,000

A-1 17535E
823 N 581 E

Dentmel
Jarga

5017

5 3/8" plug set @

Report Printed: 7/14/2014

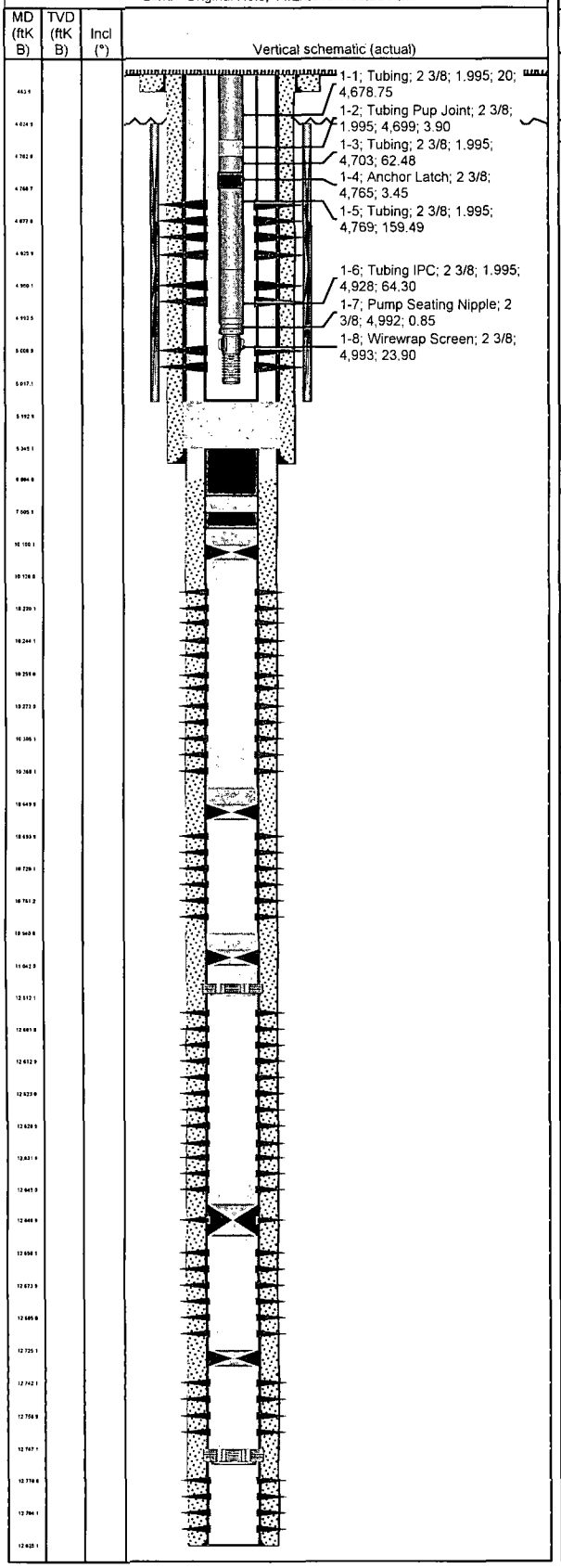
Tubing Summary

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

Ground Elevation (ft)	Original RKB Elevation (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,932.00	3,952.00			

Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)

Land - Original Hole, 11/2/2013 7:30:00 AM



Tubing Strings

Tubing Description	Planned Run?	Set Depth (MD) (ftKB)	Set Depth (TVD) (ftKB)
Tubing - Production	N	5,017.1	

Run Date	Run Job	Pull Date	Pull Job
11/2/2013	Stimulation, 9/27/2013 14:00		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
0	Tubing	2 3/8	1.995	4.70	J-55	8RD	4,678.75	20.0	4,698.8
1	Tubing Pup Joint	2 3/8	1.995	4.70	J-55		3.90	4,698.8	4,702.7
2	Tubing	2 3/8	1.995	4.70	J-55	8RD	62.48	4,702.7	4,765.1
1	Anchor Latch	2 3/8					3.45	4,765.1	4,768.6
5	Tubing	2 3/8	1.995	4.70	J-55	8RD	159.49	4,768.6	4,928.1
2	Tubing IPC	2 3/8	1.995	4.70	J-55		64.30	4,928.1	4,992.4
1	Pump Seating Nipple	2 3/8				8RD	0.85	4,992.4	4,993.2
1	Wirewrap Screen	2 3/8					23.90	4,993.2	5,017.1
								5,017.1	5,017.1

Rod Strings

Rod Description	Planned Run?	Set Depth (ftKB)	Set Depth (TVD) (ftKB)
Weatherford HD	N	4,992.0	

Run Date	Run Job	Pull Date	Pull Job
11/2/2013	Stimulation, 9/27/2013 14:00		

Rod Components

Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Polished Rod	1 1/2		Chromed	26.00	14.0	40.0
1	Pony Rod	7/8			10.00	40.0	50.0
1	Pony Rod	7/8			8.00	50.0	58.0
1	Pony Rod	7/8			4.00	58.0	62.0
70	Sucker Rod	7/8	D	Grade 75	1,750.00	62.0	1,812.0
110	Sucker Rod	3/4	D	Grade 75	2,750.00	1,812.0	4,562.0
16	Sinker Bar	1 1/2			400.00	4,562.0	4,962.0
1	Pony Rod guided	1 1/2			4.00	4,962.0	4,966.0
1	Rod Insert Pump	1 1/2			26.00	4,966.0	4,992.0

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