Submit 1 Copy To Appropriate District	State of New	Mexico		Form C-	103
Office <u>District I</u> – (575) 393-6161	Energy, Minerals and N	Vatural Resources		Revised August 1,	2011
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> – (575) 748-1283			WELL API NO. 30-025-29546		
811 S. First St., Artesia, NM 88210	OIL CONSERVATI		5. Indicate Type o	of Lease	
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. F		STATE 🛛	FEE	
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Santa Fe, NN	18/505	6. State Oil & Gas	Lease No.	
87505	AND DEDODTE ON WE				
(DO NOT USE THUS FORM FOR PROPOSAL)	S AND REPORTS ON WE	DI LIG DI GUI TO I	7. Lease Name or	Unit Agreement Nar	ne
DIFFERENT RESERVOIR. USE "APPLICATI PROPOSALS.)	ON FOR PERMIT" (FORM C-10		LOVINGTON DE	EEP STATE	
	s Well 🔲 Other 🦯		8. Well Number	1	
2. Name of Operator		JUL 1 8 2014	9. OGRID Numbe	r 241333	
CHEVRON MIDCONTINENT, L.P. 3. Address of Operator			10. Pool name or	Wildcat	
15 SMITH ROAD, MIDLAND, TEXA	AS 79705	RECEIVED	SAN ANDRES	(an99	14)
4. Well Location					1
Unit Letter: A 823 feet fr	om the NORTH line and f	581 feet from the EAS	ST line		
	ship 17S Range		MPM County	LEA	
	1. Elevation (Show whether	DR, RKB, RT, GR, etc.			
					<u></u>
12. Check App	ropriate Box to Indicat	e Nature of Notice,	Report or Other I	Data	
	-	,	•		
		REMEDIAL WOR		ALTERING CASING	Г
<u> </u>	HANGE PLANS	COMMENCE DR		P AND A	
		CASING/CEMEN	Т ЈОВ 🗌		
OTHER:		OTHER: RE	COMPLETE TO SAN	ANDRES - RTP	
13. Describe proposed or complete					d date
of starting any proposed work). proposed completion or recomp		MAC. For Multiple Co	mpletions: Attach w	ellbore diagram of	
proposed completion of recomp					
PLEASE FIND ATTACHED, REP		FROM 05/16/2013 TH	IROUGH 05/31/2013	FOR THE PLUGB	ACK
TO THE SAN ANDRES FORM ALSO FIND ATTACHED, REPOR		ROM 09/27/2013 THR	OUGH 11/04/2013 F	OR STIMULATION	J
REPORT.					
04/09/2014: ON 24 HR OPT. PUMPIN	JG 1 OIL, 2 GAS, & 0 WA'	ΓER.			t
PERFS: 4867- 5016; (05/17/2013) 10 TBG: 2 3/8" TBG SET @ 5017' (11/02		6)			2
	(2013)			~	0
				&A R	E P
				5d	D S
				7	10
Spud Date:	Rig Releas	e Date:		ں ت	e a
I hereby certify that the information abo	ve is true and complete to the	he best of my knowledge	re and belief	7 2014 7 2014 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	N P R
Thereby certify that the information abo		the best of my knowledg	AUG 2	7 2014	
Milit of M	a Kark				Z SIZ
SIGNATURE AUGULT	WIVERN II	TLE: REGULATORY	SPECIALIST DA	TE: 07/17/2014	<i>yy</i>
Type or print name: DENISE PINKERT	CON E-mail add	dress: leakejd@chevro	<u>n.com</u> PH	ONE: 432-687-7375	th
For State Use Only		_	AUG 2 9 20	14	·\\`
APPROVED BY:	TITLE	Petroleum Enginee	er DA'	1941161	14
Conditions of Approval (If any):					ت ا
Conditions of Approval (If any): PA Shoe Bar U	pper rena jon	ath gr and	pe par k	roliteamp	201057

Chevron	Sun	nmary Report	Major Rig Work Over (MRWO) Completion - Reconfigure Job Start Date: 5/16/2013 Job End Date: 5/31/2013
LOVINGTON DEEP STATE 001	ease .ovington Deep State urrent RKB Elevation	Field Name Lovington	Business Unit Mid-Continent Mud Line Elevation (ft) Water Depth (ft)
Report Start Date: 5/16/2013		Com	
Travshtime-			
Review USA's, tenet #6, hazard 1:d. wheel		evalors	
Wait on the spool and forklift to arrive to lo	<u>63110n</u>		
Here Greenc's Enorgy Corp. to hydraulically	where the set of the between	the bood and walling	
NU-D-d=Elange-w/=FI/A/=valve of Hop and se	·		
Travettimes /			
Report Start Date: 5/17/2013			
Report Start Date: SH12010		Com	
Travel time			· · · · · · · · · · · · · · · · · · ·
Review JSA's, tenet #7, hazard i:d wheel	#7, e colors #7, caliper tby el	evators	
-Have-welder-eut-off-bolts-from-wellhead-to	tbg-head	······	
Romeve tbg-head-frem-wellhead-			
NU-new x ever speel-frem-QCI			
NU BOP			
low, held good	-		et PKR to test annular at 500# high and 250#
@ 5009'-5016'. POOH w/ 1st perf gun. RI	H w/ 2nd perf gun and shoot	perfs @ 4950'-4958', POOH w/ 2nd perf g	Correlate logs to past log <u>. Shoot 1st perf gun</u> un. RIH w/ 3rd perf gun and shoo <u>t perfs</u> Il perfs shot were @ 2 SPF. RD lubricator. RD
Fravel time	·····	· · · · · · · · · · · · · · · · · · ·	
Report Start Date: 5/18/2013			
		Com	······································
Travel time-			
Review JSA's, tenet #8, hazard i.d. wheel-		levators -	
Do-BOP, Spill, Fire, Evacuation, High-Angl			
RU Hydrostatic Pipe Services. Hydrotest th		/8" WS to 6000#	·
Set PKR @ 4766' and test to 500#, held g			
	nping w/ FW again. Pumped	less than 1 bbl of FW @ .1 BPM and tbg	municating. Pack off on PKR w/ 50 points and pressure rose to 4800-4900#. Stopped pumping.
Travel time			
Report Start Date: 5/20/2013			
Travel time-		Com	
Review ISA's tonet #10 hazard i.d-whee	1#10_a_colors#10_caliper t	bo elevators	· · · · · · · · · · · · · · · · · · ·
Attempt to release PKR. Put torque on WS			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 trea acid. Pumped 11 bbls of acid, then followe all 17 bbls of BW until acid started flowing	ed with 17 bbls of BW to spot back, shut well in. Re-evalua all acid in the tbg w/ 20 bbls	t acid. Opened well to let acid spot balance ated situation and found we didn't pump er of BW. Started pumping second acid spot	to establish rate, then switched to 15% HCl e out, instead U-tubed and started flowing back nough BW to push acid past bottom of tbg to w/ 1 bbl of BW to establish rate. Then switched acid spot balance out.
TOH w/ 8 its of 2-7/8" WS to 4766			
Set PKR by pulling 50 points to pack off. T	est to 500#. held good		
Contractory paining of points to pack on a			· · · · · · · · · · · · · · · · · · ·

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Chevron	Sum	many Banart	Major Rig Work Over (MRWO)			
	Sun	nmary Report	Completion - Reconfigure Job Start Date: 5/16/2013			
			Job End Date: 5/31/2013			
	Lease	Field Name	Business Unit			
LOVINGTON DEEP STATE 001 Ground Elevation (ft) Original RKB (ft)	Lovington Deep State	Lovington	Mid-Continent Mud Line Elevation (ft) Water Depth (ft)			
3,932.00 3,952.00						
		Com				
pump down tbg w/ 22 bbls of acid, then 32 bbls of acid were pumped, noticed for 40 bbls of acid pumped, increased rate t	shut the bypass valve and conti rmation starting to breakdown (o 5 BPM @ 4632#. At 50 bbls p	inue pumping acid @ 1 BPM. Pumped an @ 4865#, so increased to 2.6 BPM. Forma pumped, 4000#. At 55 bbls pumped, 3870	htly. Decided to open bypass valve on PKR and other 10 bbls to get acid onto formation. Once tion really broke down @ 36 bbls pumped. At #. At 60 bbls pumped, 3827#. At 65 bbls FW flush at this point. Pumped 60 bbls of FW			
+ 5 mins = 2781# +10 mins = 2737# +15 mins = 2711#	Total fluid = 133.5 bbls Average Rate = 2.95 BPM Max Rate = 5.1 BPM Average Pressure = 4298#					
	Max Pressure = 4978#					
Travel-time		······································				
Report Start Date: 5/21/2013	<u> </u>	Com				
Travol-time						
Review JSA's, tenet #1, hazard id-whee						
back 9.6 bbls of FW then well quit flowin		m 2600# down to 0# within 1 minute. Left	well open to flow back load for 3 hours. Flowed			
Key Audit for Rig 907 - RU swabbing equipment. Make 2 swab i swab run	runs and swab back 15 bbls of	dirty water between the 2 runs. Tthen lubr	icator hose on swab equipment broke after 2nd			
Waiten Key-rig pusher-to-bring-out-equip	emont.					
more acid gas. On 5th run got 4 bbls of a	dirty water, but this time there w	as actually oil in it. Took a sample and go	o got 6 more bbls of dirty water and a little bit t a 5-7% oil cut in the sample bottle. On 6th run from flowing back and 31 bbls from swabbing.			
Travel time-		· · · · · · · · · · · · · · · · · · ·				
Report Start Date: 5/22/2013		Com				
Fravel time -						
Review JSA's, tenet #27 hazard to when	el-#2;-e-colors-#2;-caliper-tbg-el	evalors: Also discussed dangers in driving	to and from work, relating to the truck accident			
Well had 50# on it in the morning, bleed	off all pressure					
		of 6 swabbing runs and a total of 13 bbls s	wabbed as follows:			
1st - Swab out 6.5 bbls. Took two sampl sample had >5% oil cut.	es, one towards the beginning	of the 6.5 bbls and one towards the end. T	he first sample was mostly oil. The second			
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%. Sli	ghtly more oil than the prior swab.				
5th - Wait two hours and swab 1/2 bbl. C)il cut was between 5-8%. Sligh	tly 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						
Report Start Date: 5/23/2013						
		Com				
Travelitime	1 #2 0 001000 #2 0 001000 1					
Review JSA's, tenet #3, hazard i.d. who Swab well 4 times throughout day, rngin						
	g nom no to z.o nouro between	, strabb, emabe 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 relling in	-					
		Page 2/4	Report Printed: 7/15/2014			

Chevron		nmary Report	Completic Job Start Job End	rk Over (MRWO) on - Reconfigure t Date: 5/16/2013 I Date: 5/31/2013
Well Name LOVINGTON DEEP STATE 001	Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) Original RKB (ft) 3,932.00 3,952.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)
	· · · · · · · · · · · · · · · · · · ·			
Report Start Date: 5/24/2013				
Fravel-time		Com		
Review_ISA's_tenet=#4_hazard-i.d_whee	#4, e-colors #4,-caliper tbg el	evators. Do WTJSA w/ Petroplex		
Do BOP, Spill, Fire, Evacuation, High Ar		· · ·	eueu	
RU Petroplex Acidizing. Test lines to 715 pumping @ 4 BPM and 3100#, then incr more every 13 bbls pumped until no more	ease rate to 5 BPM and 3400#	tbg then establish rate. Pump 28.9 bbls c . Dropped first 10 7/8" RCN ball sealers s dropped.	of BW and then switch over to after 15 bbls of acid pumped, t	acid. Start then dropped 10
 Acid hit formation @ 35.2 bbls acid pur 1st 10 balls hit @ 50.2 bbls pumped @ Right before first set hit, dropp 2nd 10 balls hit @ 63 bbls pumped and Incressed rate up to 5.1 BPM at 3rd set of balls hit @ 76 bbls pumped at Dropped rate back to 3 BPM at 5th set of balls hit @ 102 bbls pumped ***Formation broke down @ 109 bbls act 6th set of balls hit @ 112 bbls pumped - Increased rate up to 4.4 BPM at - Increased rate up to 4.4 BPM at - At 126 bbls pumped pressure - 8th set of balls hit @ 112 bbls pumped - At 126 bbls pumped pressure 8th set of balls hit @ 151 bbls pumped - Increased rate up to 5 BPM and - Increased rate up to 5 BPM and - 10th set of balls hit @ 179 bbls pumped - Increased rate up to 5 BPM and - Uncreased rate up to 5 BPM and - Uncreased rate to 3.6 BPM and - Wouldnt break down so decrease ***Balled out at this point*** 12th set of balls hit @ 122 bbls pumped - 13th set of balls hit @ 206 bbls pumped - 14th set of balls hit @ 220 bbls pumped 	3125# ed rate back to 3BPM. After b 3432# ud 3747# ud 3747# ud 3804# ud 15130# ud 140@ 4500# and 4825# id pumped. Went from 4950# a and 4100# and 4100# and 4100# and 4100# and 400# and 40#, then broke down a and 3950# and 3950# and 3963# d held @ 3980# and 5200# 5450# ased rate to 2.4 BPM and 4467 and 4500# and 4500# and 4500# and 4750#	n to 3670# @ 128 bbls pumped ome more	4 BPM and 3450#.	
Continued pumping FW flush. Pumped 3 3830#.	0 bbls of FW @ 4910#. Surge	d off balls from perfs, then started pumpin	ng FW again for 30 more bbls i	@ 5.1 BPM and
ISIP = 3212# +5 mins = 2980# +10 mins = 2930# +15 mins = 2948#	Total pumped = 253 bbls Max Pressure = 5479# Avg Pressure = 3700# Max Rate = 5.2 BPM Avg Rate = 4 BPM			
***Had to continue here cause I ran out o				
Well had 3000# after 3 hours of letting a bbls then stopped. SDON.	cid spend. Open well up to flov	v, pressure dropped to 100# and started	to flow back. Flowed back a to	otal of about 100
Report Start Date: 5/28/2013		·····		
		Com		
CREW TRAVEL TO LOCATION				
OIL CUT), SD FOR TWO HOURS, 100' RECOVERED TODAY WAS 41 BBL. S	LEVEL WAS 800'. SWABBEI FLUID ENTRY (SLIGHT OIL C	3BL), BLEED DOWN ANNULUS. D TBG DOWN TO SN IN 5 RUNS. SD FC CUT), SD FOR TWO HOURS, 100' FLUIE		
CREW TRAVEL HOME				
Report Start Date: 5/29/2013		Com		
OREW TRAVEL TO LOCATION			<u></u>	
J SA				
WHPSI 0 PSI NO BLOW. RIH W SWAE TBG, 50' FLUID ENTRY.	LINE. FLUID ENTRY OVER N	NIGHT 950'. SWAB TBG TO SN FIRST R	UN (5%+/- OIL CUT). SD 2 HO	OURS. SWAB
· · · · · · · · · · · · · · · · · · ·		Page 3/4	Repor	t Printed: 7/15/2014

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Chevron	Sun	nmary Report	Completic Job Start	rk Over (MRWO) on - Reconfigure t Date: 5/16/2013 I Date: 5/31/2013	
Well Name LOVINGTON DEEP STATE 001	Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent		
Ground Elevation (ft) Original RKB (ft) 3,932.00 3,952.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)	
		Com	· · · · · · · · · · · · · · · · · · ·		
RU POWER SWIVEL,				·	
UNSET PKR. HAD TROUBLE GETTING	G PKR UNSET.				
RD POWER SWIVEL	· · · · · · · · · · · · · · · · · · ·				
START POOH LAYING DOWN 2.875" BROKEN). SDFN	WORKSTRING. (LAST 20 JTS	WERE DAMAGED BY ACID)(WEATHERFC	ORD 9.625" AS-1 PKR TOP	SLIP CAGE WAS	
CREW-TRAVEL-HOME			i		
Report Start Date: 5/30/2013					
GREW-TRAVEL TO LOGATION		Com			
GTAGE AND CALIPER TOOLS (WEAT		J T TO LOCATION WAS TO BIG TO RUN I IS AND TO BE USED AS UPPER PLUG.)	N THROUGH THE 9" BOP.	}	
WHPSI 0 PSI. RIH W WEATHERFORD	9.625" TS PLUG.				
SET PLUG AT 4765'.					
LOAD WELL WITH WATER. PRESSUP		OR 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		Com			
JSA					
RIH W 9.625" AS-1 W H VALVE ON TO)P				
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	•				

Chevron

			Job En	d Date: 11/4/2013	
	Lease	Field Name	Business Unit		
LOVINGTON DEEP STATE 001 Ground Elevation (ft) Original RKB (ft)	Lovington Deep State	Lovington	Mid-Continent	Water Depth (#)	
3,932.00 3,952.00			Mud Line Elevation (ft)	Water Depth (ft)	
			_		
Report Start Date: 9/27/2013		· · · · · · · · · · · · · · · · · · ·			
		Com			
Read-unit to new location Convey-rules	••				
Production-unloading a tank-of-crude to t	ransport - oil having to be tested due	-to-truck-having-bad-bottomsOffL	oad.equipmentUnable.to.sp	ot due to	
movement_of_oil_transport					
Grew-travel					
Report Start Date: 9/30/2013					
		Com			
Grew travel					
SM: tenet, SWA, HazID, new location ha	-	working in a battery			
MIRU unit: Safety man performed inspe	-	_			
Start ND B-1 adapter to NU BOPE. Nee	-				
Spot-pipe-racks-Offload-2-3/8"-production	on tubing Offlead-3-1/2"-frae-string	→ ····································			
Noon-meat					
Strap-tubing					
ND B-1 adapter. NU 9"3M x 11"3M spoo	bl. NU 11"3m BOP.	· · · · · · · · · · · · · · · · · · ·			
Test Blind rams and flange break agains					
TIH PU production tbg with retrieving hea	·				
Space out and PU swivel. Reverse circu		Strong gas blow to surface from	under neeker		
Work to release pkr. Pkr freed up going	down but we had to work it free com				
TOH, LD pkn-Socuro-well					
Grew-travel-					
Report Start Date: 10/1/2013					
CREW TRAVEL TO LOCATION		Com			
JSA AND SAFTEY MEETING					
CHECK SICP HAD 0 PSI. PICKED UP 8 536' ON RETURNS WERE GETTING SA				CULATE HOLE @	
	AND. WASHED 2 OF SAND FELL T		<u> </u>		
CREW REST FOR LUNCH					
PICKED 8.00 RETRIEVING TOOL. TIH			-		
RIGGED UP TBG SWIVEL. CIRCUALTI			. RELEASED PLUGG WELL	HAD PRESSURE	
HAD 100 PSI. FLOWED WELL DOWN.					
JSA. CREW TOH WITH 150 JTS OF 2-3					
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.					
	J-55 TBG. LEFT 150 JTS IN HOLE.	SECURE WELL SHUT DOWN FO	OR THE NIGHT.		
CREW-TRAVEL TO YARD					
Report Start Date: 10/2/2013					
		Com			
GREW-TRAVEL TO LOCATION					
JSA AND SAFTEY MEETING					
CHECK SICP HAD 0 AND SITP HAD 0	PSI. CREW STARTED OUT LAYING	G DOWN 2-3/8 J-55 TBG. CREW L	AYED DOWN 150 JTS OF 2-	3/8 J-55 TBG.	
JSA. CHANGED OUT 2-3/8 PIPE RAMS	3 AND PUT ON 3-1/2 RAMS. WEAT	HERFORD REP FUNCTION TEST	B.O.P. FUNCTION GOOD.		
CREW REST FOR LUNCH.					
JSA, RIGGED UP TBG TESTERS. PICK		1X WITH T-2 ON/OFF TOOL WIT	H X NIPPLE FRAC GRADE A	ND SET 30'. TEST	
B.O.P TO 800 PSI HELD GOOD. RELEA					
JSA. TH WITH 3-1/2 TBG HYDROTES					
TOOK 20 MIN. CREW TIH WITH A TOT SHUT IN FOR THE NIGHT.	AL OF 152 J15 OF 3-1/2 TBG. LEF	TPRR SWINGING @ 4,774. RIGC	SED DOWN TBG TESTERS.	SECORE WELL	
CREW/TRAVEL TO YARD.					
Report Start Date: 10/3/2013	<u> </u>	Com			
CREW-TRAVEL TO LOCATION					
HOA-AND SAFTEY MEETING.					
CHECK SICP HAD 0 PSI AND SITP HA	DAPSI NIPPI ED LID 11"Y 7 1/2 EL	ADAPTER SPACE SET BUD A	4 774'		
PRESSURE TEST CASING AGAINST F					
TENSION TO PACK OFF TOOL. STILL	SAME, MOVED PKR UP HAOLE L		ND. DECIDED TO PLILL PKR	OUT HOLE	
CREW REST FOR LUNCH.					

Chevron

			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) Original RKB (ft) 3,932.00 3,952.00	Current RKB Elevation	• . <u>,, ,,,,</u> ,,,,,,	Mud Line Elevation (ft)	Water Depth (ft)
0,002.00				
TOH WITH 3-1/2 WITH A TOTAL OF 15	2 JTS OF 3-1/2 TBG. LAYED D	Com OWN 9-5/8 AS-1X FRAC PKR. INSI	PECTED PKR DID NOT SEE ANT	HING WRONG
WITH TOOL ON SEAL AREA. PEAK CO				
WAITED ON PEAK COMPLETION TO E				
RANGES ARE FROM 32-43#. PEAK-CO		QL-UNTIL-7:00 PM: DEGIDED-TO V	EIGHT-TIL IN THE MORNING T	O GET PROPER
GREW TRAVEL TO YARD				•
Report Start Date: 10/4/2013				
CREW/TRAVEL TO LOCATION		Com	<u>.</u>	
JEA-AND-EAFTEY MEETING.				
CHECK-SICE HAD & PSI-CALLIPER TE	CELAVATERS.			
RICCED UP TBG TEGTERS PICKED UP 9-5/8 PEAK PKR. TIH WITI	H 5 STANDS TESTING TRG TO			
ATTEMPTED TO RELEASE PKR. PKR TOOL PKR WOULD NOT GO ON UNSI TOOL THAT DIDNT WORK PROPERLY	WOULD TRAVEL UP BUT COL	JLD NOT GO DOWN. PULLED 5 ST	ANDS OUT. LAYED PKR DOWN	-INSPECTED-
WAIT-ON PEAK-COMPLETION TO BR PICKED UP PKR ON 1-JT-IIYDROTE6 RETEST TOOL TO 8,000 PSI HELD GO	ᡏ᠇ŦᠣᡋĿ᠇ Ŧ Ŏ ᠇ 8;000-PSI, BOT ŦŎĬ			
CREW STARTED IN HOLE WITH 3-1/2	TBG TESTING TBG TO 8,000 F	PSI. CREW TIH WITH A TOTAL OF	152 JTS OF 3-1/2 TBG.	
SET PKR WITH 152 JTS OF 3-1/2 TBG SECURE WELL SHUT IN FOR THE NIC		ED. MOVED PKR TO 4,553 HELD G	GOOD. HAD COMMUNICATION F	ROM 4,774-4,553.
CREW-TRAVEL TO YARD				
Report Start Date: 10/5/2013	· · · ·	Com		
GREW TRAVEL TO LOCATION	· · · · · · · · · · · · · · · · · · ·			
JSA AND SAFTEY MEETING WITH BA CHECK SICP HAD 0 PSI AND SITP HA TRUCKS OUT SIDE OF SUIDE WIRES	AD 0 PSI. RIC CREW RIGGED	UP FRAG EQUIPMENT: WHILE-RIC	GING UP BAKER HUGHES SPO	TIN ALL FRAC
RIG UP BAKER FRAC EQUIPMENT LIN	•			
PT ALL SURFACE TREATING IRON W	/ 0,800 PSI " 1 EST-GOOD "			
POP OFF SET @ 7,700 PSI				
PT 4" TREATING IRON W/ 8,800 PSI " 1. BREAK EST. RATE 3,500 VIKING 11 DECIDED TO GO ON FLUSH. FLUSH V	BBLS 19 BPM / 5,200 PSI. IST	FANLEY SAW COMMUNICATION A		NG CASING SIDE.
C ONTACTED ENGENEIR ANFD NOTIFY HIM: DECIDED TO RELEASE FRAG GREW AND PULE PKR OUT HOLE MONDAY DO CASING INSPECTION				
RI GG DOWN BAKER FRAC EQUIPME 2,600 PSI. BLEED PRESSURE OFF QU ENGENEIR DECIDED TO GET-FLOW E	JIGK-GLOSE VALVE AND NOT	HEE PRESSURE WOULD CLIMB T		
CREW TRAVEL TO YARD	·····			
FLOW WELL BACK WHILE. WELL FLO HRS. COULD NOT SHUT IN WELL DO WATER. LEFT FLOW BACK CREW W	TO WELL WILL PRESSURE U			
Report Start Date: 10/7/2013		Com .		
CREW TRAVEL TO LOCATION				
USA AND SAFTEY MEETING.				
CHECK SICP HAD 0 PSI AND SITP HA ON/OFF TOOL OFF OF PKR. DO TO T	BG HAS GEL.			
CIRCULATE GELL OUT OF TBG. CIR BACKSIDE BACK. WELL ON VACUME				
JSA. NIPPLE DOWN REMAING FRAC RELEASE TOOL. RELEASE PKR. SET	IN LAY DOWN MACHINE AND	RACKS.		KR IN ORDER TO
CREW STARTED OUT HOLE WITH TE JSA. CREW TIH WITH 64 JTS OF 3-1/2				
CREW TRAVEL TO YARD.				

LOVINGTON DEEP STATE 001 Lovington Deep State Lovington Mid-Continent. Ground Elevation (ft) Original Ref (ft) Current RKB Elevation Mid-Continent. 3,932.00 3,952.00 Current RKB Elevation Mid-Continent. SML tanet, LSA, Operations plan, 360 MySpace, SWA Con Second Elevation (ft) Water Deph (ft) SIML tanet, LSA, Operations plan, 360 MySpace, SWA TOH 32 stands of 3-1/2 Frac string Second Elevation (ft) Water Deph (ft) SIML tanet, LSA, Operations plan, 360 MySpace, SWA State S	Chevron		nmary Report	Major Rig Work Over (MRWO) Stimulation Job Start Date: 9/27/2013 Job End Date: 11/4/2013
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Severtexplained of the field of the severe o	Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation		
Severtexplained of the field of the severe o			Com	
TOH 32 study of 3-12 First sting. TOH 32 study of 3-12 First sting. The system were study of the study of the 11 x 3X flange is the wrong size wailing on Westherford burn out different flange. RIH with Westherford Wireline doing a CIT with a 5-58 Ceaning imaging tool with gamma ray. RIH logging well to 4810° and POOH logging well CIT run is complete. RD witeline and send log to engineer's Debrind areas. Report Start Date: 1092/2013 Com Everytworker IOE Everytworker IOE Com Everytworker IOE	Grew travel to LOG		Com	· · · · · · · · · · · · · · · ·
RU flange and Weetherford writerine in Cir Weith 9 45% Canagi manging tool with gamma ray. RH logging well to 451% and POOH logging well Cirl fun is complete. RD weither and send log to engineer's Sub in well for nph i. Debraf search Cear. Found Longing Cirl Weith 9 45% Canagi manging tool with gamma ray. RH logging well to 451% and POOH logging well Cirl fun is complete. RD weither and send log to engineer's Sub in well for 100% Cirl Weith 9 45% Canagi manging tool with gamma ray. RH logging well to 451% and POOH logging well Cirl fun is complete. RD weither and the search of the RP Reaker, Montander 2019 of 2010 care. Search of the search of the RP Reaker, Montander 2019 of 2010 care. Search of the search of the RP Reaker, Montander 2019 of 2010 care. Search of the search of the RP Reaker, Montander 2019 of 2010 care. Search of the sea	SM: tenet, JSA, Operations plan, 360-My	Space, SWA		
Rit van Kwesthenford Wielene dong a CIT with a 9-58 Casing imaging looi with gamma ray. RiH logging well to 4510° and POOH togging well Cit run is complex. RD wielling and send log to engineer's Shu in well for night Debrief access. Report Start Date: 109/2013 Com Ever-Level-Lock- Start Date: 101/10/2013 Com Ever-Level-Lock- Start Date: 101/10/2013 Com Ever-Level-Lock- Ever-Level-Lock- Start Date: 101/10/2013 Com Ever-Level-Lock- Start Date: 101/10/2013 Com Ever-Level-Lock- Ever-Lock- Start Date: 101/10/2013 Com Ever-Level-Lock- Ever-Lock- Start Date: 101/10/2013 Com Ever-Level-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-Lock- Ever-	TOH 32 stands of 3-1/2 Frac string			
Cif an is complete. RD welline and send log to engineer's Nut is well for right Debtid seemer. Com Taxet Jones for alget Report Start Date: 109/2013 Com Seemer Weetherdood & Hong on Labing cases while welling on 9-98 packer Weith and 100 grant barring on Labing cases while welling on 9-98 packer Weith and 100 grant barring on Labing cases while welling on 9-98 packer Weith and 100 grant barring on Labing cases while welling on 9-98 packer Weith and 100 grant barring on Labing cases while well for night demonstrates with a 3-112 for a kill sting, shull in well for night demonstrates with a 3-112 for a kill sting, shull in well for night demonstrates with a 3-112 for a kill sting, shull in well for night demonstrates devices and the second start date: 10/10/2013 Second text to 10/10/2014 Second text to 10/10/2015 Second text to 10/10/2014 Second text to 10/10/2015 Second text to 10/10/2015 Second text to 10/10/2014 Second text to 10/10/2014 Second text to 10/10/2014 Second text text second t				
Shut in veli for right Debraf server. Feyon Start Date: 1019/2013 Com Every Every Linear Server S			ig tool with gamma ray. RIH logging wel	I to 4810' and POOH logging well
Report Start Date: 109/2013 Gene Argentials (LOG Com GMM Hand-LiSA-Operations plan-360 MySpece. SWA- Laydown 2018 of 3-12 Jubing on Jubing racks while waiting on 9-5/8 packer Laydown 2018 of 3-12 Jubing on Jubing racks while waiting on 9-5/8 packer TH 32 stands with a 3-1/2 for a kill string. shut in well for night Com Court Gave Handbards Com Court Gave Handbards Com Caller develow- Com <td>Shut in well for night</td> <th>id log to engineer's</th> <td></td> <td></td>	Shut in well for night	id log to engineer's		
Com	Grew Travel home for night			
Gew twolle LOC	Report Start Date: 10/9/2013			
GML Hondy, JEA - Operations plan, 360 MyGpace, SWA Laydown 20 Jis of 3-112 lubing on lubing racks while walling on 9-5/8 packer Waing on Weatherford to being a 5-58 Packer, Weatherford can1 get packer to us until the maxing run kill etting TH 32 stands with a 3-112 for a kill string, shut in well for night Abbed ream. Cow Level hamone Report Start Date: 10/10/2013 Com Generation GML toxic, JSA - Operatives plan, 300 MyGpace, SWA Caliper elevators. TOH 32 Stands of 3-1/2; 9.34 kill string RU hydro testers and Weatherford 9.525' 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 TH with packer hydrotesting each stand of 3-1/2; bubing to 8000psi set packer at 4.025', RD hydro testors Set packer at 4.025', Mich dack side with fluid and tested backside to 500psi hydro testors Set packer at 4.025', Mich dack side with fluid and tested backside to 500psi hydro testors Set packer at 4.025', Mich dack side with fluid and tested backside to 500psi hydro testors RD-rig and equipment. VD-rise status RD-rig and equipment. RD-rig and equipment. <t< td=""><td>From traval to LOC</td><th></th><td>Com</td><td></td></t<>	From traval to LOC		Com	
Laydown 20 jis of 3-12 tubing on tubing racks while walling on 9-56 packer Wating on Weatherford- to bring a-0.56 Packer. Weatherford can't get packer to us until the morning-run killeting TH 32 stands with a 3-172 for a kill string, shut in well for night <u>Come travel to 1900</u> <u>Come travel to 1900</u> <u>Set packer at 4025</u> , (Bite back stand of 3-1/2, 9.3# kill string RU hydro testers <u>Set packer at 4025</u> , (Bite back stand of 3-1/2 tubing to 8000psi set packer at 4025, RD hydro testers <u>Set packer at 4025</u> , (Bite back stand of 3-1/2 tubing to 8000psi set packer at 4025, RD hydro testers <u>Set packer at 4025</u> , (Bite back stand of 3-1/2 tubing to 8000psi set packer at 4025, RD hydro testers <u>Set packer at 4025</u> , (Bite back stade vita fund and tested backstide to 500psi held for 5 minutes good test. <u>NU Frac stack on well</u> , Pressure test Frac stack to 8000psi hold for 5 minutes, Good test <u>NU Frac stack on well</u> , Pressure test Frac stack to 8000psi hold for 5 minutes, Good test <u>NU Frac stack on weel All Co Get Frac</u> <u>Come travel to 1000</u> <u>Come to 1000</u> <u></u>		Shace-SWA-		
Winting on Windle 40-bing -0-9.68 Depker. Weatherford card get packer to us until the movining run killeting TH 32 stands with a 3-1/2 for a kill string, shut in well for night debraf arow. Faunt Swall Fame Report Stant Date: 10/10/2013 Gaw Hevel 16 E00- SML toool, ISA- Operatives plan. 360 MySpece; SWA Caliper clearability of 3-1/2, 3-9 kill string RU hydro teslers 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 8000ps is et packer at 4025', RD bydro teslers Set packer at 1025', Ribd Dack is with fluid and tesled backshot to 500ps hield for 5 minutes pool test. Died off back side to 250psis, Pumped fluid down 3-1/2 Ub Frac stack on well, Pressure test Frac stack of 500ms hield to 500ms hield for 5 minutes pool test. NU Frac stack on well, Pressure test Frac stack of 500ms hield for 5 minutes pool test. RD Hig and registrement, move off LOC for Frace Gaurie Marker Marker and Start Date: 10/11/2013 Com Merce in spot Start Date: 10/11/2013 Com Merce in spot Start Date: 2000; Site performent, move off face.king the well Testew caval here Report Start Date: 10/11/2013 Com Merce in spot Segmement. SM Enort, ISA, Operatinone, plan. 360 MySpace, SWA			acker	
TH 43 stands with a 3-1/2 for a kill string, shu in well for night debief area. Countraval harme- Coun				string
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Set packer ai 4025', filled back side with fluid and lested 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 250psi, pumped for 5 minutes back side held steady at 250psi, good test. NU Frac stack to 8000psi hold for 5 minutes, Good test. NU Frac stack to 8000psi hold for 5 minutes, Good test. NU Frac stack to 8000psi hold for 5 minutes, Good test. NU Frac stack to 8000psi hold for 5 minutes, Good test. NU Frac stack to 8000psi hold for 5 minutes, Good test. NU Frac stack to 8000psi hold for 5 minutes, Good test. NU Frac stack to 8000psi hold for 5 minutes. Good test. NU Frac stack to 8000psi hold for 5 minutes. Good test. NU Frac stack to 8000psi hold for 5 minutes. Good test. NU Frac stack to 8000psi hold for 5 minutes. Good test. Nu Figure 1150, 000 for Frac. Start Date: 10/11/2013 Com. Start Start Start Date: 10/11/2013 Com. Start Start Start Date: 10/11/2013 Com. Start St				
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Gebuicf ercw Com Report Start Date: 10/11/2013 Com Mayo in spot equipment. SM: Tenet _ ISA_Operations_plan_360_MySpace, SWA RU Frac equipment Teoelise cafety meeting on job scope fro fracturing the well Receive last pump lines and surface equipment to 9826psi-set.pop off at 7278psi Start mini-Frac Start mini-Frace 1225: STP, 2678; Annulus, 200; Stage Bbis, 0; Total Bbis, 0; Slrurry Rate 0 bpm; Sart breakdown at 4215psi 1237; STP, 3637; Annulus, 200; Stage Bbis, 157; Total Bbis, 200; Slrurry Rate 23 bpm; Slick Water 1244; STP, 3664; Annulus, 200; Stage Bbis, 0; Total Bbis, 200; Slrurry Rate 35 bpm; Shut down to monitor well 1247; STP, 4275; Annulus, 200; Stage Bbis, 0; Total Bbis, 200; Slrurry Rate 35.6 bpm; Start Viking 3500 Minifrac 1253; STP, 5209; Annulus, 200; Stage Bbis, 109; Total Bbis, 402; Slrurry Rate 35.6 bpm; 35# Linear flush 1256; STP, 3123; Annulus, 200; Stage Bbis, 109; Total Bbis, 402; Slrurry Rate 35.6 bpm; 35# Linear flush 1256; STP, 3123; Annulus, 200; Stage Bbis, 109; Total Bbis, 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, Fluee; 35 Bpm Shut in Pressure; ISDP 378psi, 5min, 0		•	ninutes, Good test	
Com Move in spot equipment. SM: Input_ISA_Operations plan, 360 MySpace, SWA RE UFrac equipment. Toolkow cafety meeting on job ccope fre fraculuring the well. Rescure test pump lines and curface equipment to 9826psi-set.pop off.at.7778psi Stat mini.Frae 1225: STP, 2678; Annulus, 200; Stage Bbls, 0; Total Bbls, 0; Slrurry Rate 0 bpm; Sart breakdown at 4215psi 1225: STP, 3837; Annulus, 200; Stage Bbls, 137; Total Bbls, 43;Slrurry Rate 23 bpm; Slick Water 1244; STP, 3664; 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, 0; Total Bbls, 200; Slrurry Rate 0 bpm; Start Viking 3500 Minifrac 1256; STP, 5209; Annulus, 200; Stage Bbls, 0; Total Bbls, 402; Slrurry Rate 35.6 bpm; Start Viking 3500 Minifrac 1256; STP, 5209; Annulus, 200; Stage Bbls, 109; Total Bbls, 511; Slrurry Rate 35.6 bpm; Start Viking 3500 Minifrac 1256; STP, 3123; Annulus, 200; Stage Bbls, 109; Total Bbls, 511; Slrurry Rate 35.6 bpm; Shut down 1300; Complete stage 1, waiting to see if formation closes Treating Pressure; Min. 2678psi, Max; 55596psi, Average; 3817psi	Shut-in-Well-	- Frao,		
Com Meve in spet equipment. SM: tenet_ISA_Operations.plan, 360 MySpace, SWA RU Frac equipment Teelbox cafety meeting on jeb scope fro fraeukuring the well Rescure test pump lines and curface equipment to 9826psi set pop off at 7778psi Stat.mini.Frae 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, 3664; 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 35 bpm; Shut down to monitor well 1246; STP, 5209; Annulus, 200; Stage Bbls, 109; 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 3378psi, 5 min. 0, 10 min. 0, Final pressure 2867	Crew-travel home			
Move in cpct aquipment SM: tenet_USA_Operations.plan, 360.MySpace, SWA RU Frac equipment Teelbox safety meeting en job scope fre fraculturing the well Rrescure test pump lines and surface equipment to 9826psi.set.pop.off.at.7778psi Start mini.Frae 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, 3664; 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, 402; Slrurry Rate 0 bpm; Start Viking 3500 Minifrac 1256; STP, 5209; Annulus, 200; Stage Bbls, 109; Total Bbls, 402; Slrurry Rate 35.6 bpm; Shut down 1300; Complete stage 1, waiting to see if formation closes Treating Pressure; Win. 2678psi, Max; 5596psi, Average; 3817psi Injection rates; Treating Fluid 35 Bpm, Fluse; 35 Bpm, Average 38 Bpm Shut in Pressure; ISDP 3878psi, 5 min. 0, 10 min. 0, 5 min. 0, Final pressure 2867	Report Start Date: 10/11/2013			
SM: tenet_ISA_Operations plan, 360 MySpace, SWA RU Frac equipment Teelbox cafety meeting on job scope fro fraeuturing the well. Recource test pump lines and surface equipment to 9826psi-set-pop off-at-7778psi Start mini-Frae 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, 3664; 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, 0; 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	Movo in spot equipment		Com	
RU Frac equipment Teolbox safety meeting on job scope fre fracuturing the well Rescure 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, 109; Total Bbls, 402; Slrurry Rate 35.6 bpm; Shut down 1256; STP, 3123; Annulus, 200; Stage Bbls, 109; Total Bbls, 402; 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, 15 min. 0, Final pressure 2867		Space_SWA		
Teelbox cafely meeting on job scope for fraeuturing the well Breesure test pump lines and surface equipment to 9826psi-set.pop off.at.7778psi Start mini-Frae 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				·
Start mini-Frae 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, 3664; 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		fracuturing the well		
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, 3664; 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	Prossure test pump lines and surface eq	uipment to 9826psi-set-pop of	ff.at.7778psi	
 1237; STP, 3837; Annulus, 200; Stage Bbls, 43; Total Bbls, 43;Slrurry Rate 23 bpm; Slick Water 1244; STP, 3664; 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 	Start-mini-Eras	· · · · · ·		······································
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	1225: STP, 2678; Annulus, 200; Stage F	3bls, 0; Total Bbls, 0; Slrurry f	Rate 0 bpm; Sart breakdown at 4215psi	
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	1237; STP, 3837; Annulus, 200; Stage I	3bls, 43; Total Bbls, 43;Slrurn	y Rate 23 bpm; Slick Water	
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	1244; STP, 3564; Annulus, 200; Stage I	Bbls, 157; Total Bbls, 200; Slr	rurry Rate 35 bpm; Shut down to monito	or well
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	1247; STP, 4275; Annulus, 200; Stage I	Bbls, 0; Total Bbls, 200;Slrurn	y Rate 0 bpm; Start Viking 3500 Minifra	ac
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	1253; STP, 5209; Annulus, 200; Stage I	Bbls, 202; Total Bbls, 402; Slr	rurry Rate 35.6 bpm; 35# Linear flush	
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	1256; STP, 3123; Annulus, 200; Stage I	Bbls, 109; Total Bbls, 511; Slr	rurry Rate 35.2 bpm; Shut down	
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	1300; Complete stage 1, waiting to see i	f formation closes		
	Injection rates; Treating Fluid 35 Bpm, F Shut in Pressure; ISDP 3878psi, 5 min. (luse; 35 Bpm, Average 35 Bpr		

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			Job End	I Date: 11/4/2013
Well Name LOVINGTON DEEP STATE 001	Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)
3,932.00 3,952.00				
	Cc			
Foramation closed. Mini Frac good. Start Main Frac				
1347: STP, 0; Annulus, 200; Stage Bbls	s, 0; Total Bbls, 0; Slurry Rate, 0 bpm; Sta	art breakdown		
1348; STP, 3085; Annulus, 200; Stage	Bbls, 8; Total Bbls, 8; Slurry rate, 0 bpm: 3	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 3	4.9 bpm; Start .5 ppg brown sand		
1429; STP, 5072; Annulus, 200; Stage	Bbls, 193; Total Bbls, 1229; Slurry Rate 3	4.8 bpm; Start 1 ppg brown sand		
1435; STP, 5003; Annulus, 200; Stage	Bbls, 220; Total Bbls, 1449; Slurry Rate 3	4.7 bpm; Start 2 ppg brown sand		
1444; STP, 4950; Annulus, 200; Stage	Bbls, 311; Total Bbls, 1760; Slurry Rate 3	4.7 bpm; Start 3 ppg brown sand		
1455; STP, 4909; Annulus, 200; Stage	Bbls, 378; Total Bbls, 2138; Slurry Rate 3	4.7 bpm; Start 4 ppg brown sand		
1455; STP, 4909; Annulus, 200; Stage	Bbls, 112; Total Bbls, 2250; Slurry Rate 3	4.3 bpm; Start 5 ppg brown sand		
1458; STP, 4853; Annulus, 200; Stage	Bbls, 149; Total Bbls, 2399; Slurry Rate 3	4.3 bpm; Start 6 ppg Super LC Sand		
1503; STP, 4769; Annulus, 200; Stage	Bbls, 187; Total Bbls, 2586; Slurry Rate 3	4.4 bpm; Start Flush		
1510; STP, 4156; Annulus, 200; Stage	Bbis, 99; Total Bbis, 2685; Slurry Rate 34	.1 bpm; Shut Down ISP		
1511; Complete stage 2				
Treating Pressure; Min. 4322psi, Max; 5 Injection rates; Treating Fluid 35 Bpm, F Shut in Pressure; ISDP 2962psi, 5 min. : Fluid Dens. Ib/gal 8.32		ressure 2832 in 15 Minutes		
RD-Frae equipment-Move-Qut-				
Report Start Date: 10/12/2013				
Went over job scope, possibly H2S, pind	ch-point, hand placement while hammer u		g up and carring flow	v-back-lines
RU flow back equipment				
Time Chk Tub H2o Cum. 64ths psi bbls 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				



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

Well Nam Lease Field Name **Business Uni** LOVINGTON DEEP STATE 001 Lovington Deep State Lovington Mid-Continent Original RKB (ft) Ground Elevation (ft) Current RKB Elevation Mud Line Elevation (ft) Water Depth (ft) 3,932.00 3,952.00 Com Chk H2o Cum. Time Tub H2o 64ths bbls bbls psi 01:00 13/64A 2200 36 36 27 63 02:00 13/64A 2200 03:00 13/64A 2200 32 95 37 132 04:00 13/64A 2100 32 05:00 13/64A 2000 164 06:00 13/64A 2000 33 197 07:00 13/64A 2000 31 228 08:00 13/64A 1900 27 255 13/64A 1800 09:00 32 287 35 322 10.00 13/64A 1700 11:00 13/64A 1600 31 353 12:00 13/64A 1500 45 398 429 13:00 13/64A 1400 31 13/64A 1250 31 460 14:00 27 487 15:00 14/64A 1100 16:00 14/64A 1000 24 511 17:00 14/64A 900 21 532 16/64A 800 16 548 18:00 18/64A 500 21 569 19:00 20:00 26/64A 250 26 595 21:00 32/64A 100 18 613 22:00 38/64A 40 15 628 639 23:00 44/64A 15 11 00:00 3/4" 2 12 651 Report Start Date: 10/14/2013 Com H2o Cum. Time Chk Tub H20 64ths psi bbls bbls 01:00 3/4" 2 10 10 02:00 2" 2 6 16 2" 03:00 2 11 27 2 2 04:00 2" 8 35 2" 39 05:00 4 06:00 2" 2 6 45 2" 2 3 48 07:00 2" 2 3 51 08:00 0 09:00 86 51 3 10:00 2" 2 54 2 2 2 2 2" 11:00 56 2" 2 2 12:00 58 13:00 2" 1 59 2" 2 60 14:00 1 15:00 2" 2 2 62 2" 2 2 16:00 64 2" 3 67 17:00 2 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-loo-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 Grew in transit to yard-Report Start Date: 10/30/2013 Com Crew in transit to loc. Safety-meeting with all-personnel on loc-Page 5/7 Report Printed: 7/14/2014

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		T		Date. 11/4/2013
Well Name LOVINGTON DEEP STATE 001	Lease Lovington Deep State	Field Name Lovington	Business Unit Mid-Continent	
Ground Elevation (ft) Original RKB (ft)	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)
3,932.00 3,952.00				
		om		
Remove adapter spool. Gauge elevators			an pipe rame on PC	D to 2 2/0" DU
Weatherford packer RIH one joint 2-3/8"			ige pipe rains on bc	F 10 2-310 . FU
Safety-mooting with-Basin test personne	. ,			
	-			
RU Basin testers equipment, RIH with 8-	÷ -	• •		
POOH wit 8 stands tbg., RIH with remain	ning 10 joints tbg. testing. EO1 at 4727', 1	top perf at 4867" RD Basin tbg. testing ec	quipment. Lay down	10 joints to clean
out fill with. SIFN			······	
Grew in transit to yard	· · · · · · · · · · · · · · · · · · ·			
Report Start Date: 10/31/2013				
Grew in transit-to-location	C	om		
	41			
Safety-meeting with all-personnel on loca				
	UPS, break reverse circulation with 10# b POOH with three wet joints. Call wire-line		getting good returns,	attempt to
Wait-on-wire-line-install-rod-boxes-on-roo	QS.			
Cofety meeting with Data sector Pa	appal and all personal as the		· · · · · · · · · · · · · · · · · · ·	
Safety meeting with Rotary wire line per				···
	54' tagged up. perf tbg.RD Rotary wire-lin	• •		
	wn 12 joints cleaning sand out.POOH sta	nding back clean tbg.		
Grew in transit to yard				
Report Start Date: 11/1/2013				
	С	com		
Grew in transit to location_				
	ation;-Review-compliance-assurance,-slid	e-show-and-discuss-issues.		
Safety-meeting with Retary wire-line-percent	-			
RU Rotary wire-line equipment, RIH tag		pot cement at 5183'. POOH reload bailer	r, RIH spot cement.T	op of cement at
5173'. POOH Rd Rotary wire-line equipn	nent			
Wait on 9-5/8" Weatherford packer				
PU Weatherford 9-5/8" packer, RIH with	126 joints tbg. set packer at 4027', set p	acker. Load and test casing to 500#, purr	ping into casing leal	at 300#, POOH
to 3708', test casing same leak, POOH t		POOH to 3517' pressure up to 500# held	good.	
POOH with 2-3/8" tbg.standing back and	l lay down packer. SIFN			
Crew in transit to yard				
Report Start Date: 11/2/2013				
	C	Com		
Grew in transit-to-location				
Safety meeting with all personnel on loca	ation -			
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. and	chor 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	hox space out rods test pump SIEN			
	sor, apace our rous, rear pump. on N			
Crew in transit to yard-	·			
Report Start Date: 11/4/2013	<u> </u>			
· L				

Chevron	Summary Report	Major Rig Work Over (MRWO) Stimulation Job Start Date: 9/27/2013 Job End Date: 11/4/2013
Well Name		Business Unit
Ground Elevation (ft) Original RKB (ft) Curre	rington Deep State Lovington	Mid-Continent Mud Line Elevation (ft) Water Depth (ft)
3,932.00 3,952.00		
Crew in transit to location	Com	
Safet meeting with all personnel on location		
Space out rods. Replace flow line connection	is. ks-3-1/2" frac-st ring (-send-to Knight) load-excess-prod-tbg_semd-to 178 6	- load BOP-send to Weatherford 1030
change everspecies send to D&L-and clean to	cation.	
	· · ·	
· · · · ·		
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Wellbore Schematic

Name VINGTON DEEP STATE 001	Lease Lovington Deep State					Busines Mid-C					
Land - Original Hole, 7	/14/2014 8:05:21 AM	Job Details	-								
B) Vertical sc	hematic (actual)		Job Categ				Start D	Date		se Date	
		Major Rig Wo	ork Over (MF	RWO)		9/27/2	/2013 11/4/2013				
	Casing Joint; 20-464; 444.00; 13 3/8; " 12.715; 1-1	Casing Strin	gs								
	Tubing; 20-4,699; 4,678.75; 2 3/8;	Csg D	20	OD (in)	10/4/1	en (lb/ft)	Gr	ade	Ten Throad	Set Depth	
	Casing Joint; 20-5,695; 5,675.00; 9	Surface	35	13 3/8		48.00		aue	Top Thread	(MD) (ftKE	
	5/8; 8.835; 2-1	Intermediate	Casing	9 5/8		40.00				5.69	
	Tubing Pup Joint; 4,699-4,703; 3.90; 2 3/8; 1.995; 1-2			0.00	Ϋ́Ι	40.00				0,0	
" ^^î Щ I III	Tubing; 4,703-4,765; 62.48; 2 3/8;	Production C	asing	5 1/2	<u>, </u>	17.00	1-80			12,82	
"	1.995; 1-3 Anchor Latch; 4,765-4,769; 3.45; 2	Tubing Strin	Ű		-		12.00			12,0	
	7 3/8; 1-4		-	at 5 017 1	ftKB or	11/2/2	013 07	30			
	Tubing; 4,769-4,928; 159.49; 2 3/8; 1.995; 1-5	Tubing Description Run Date String Length (ft)									
	Perf; 4,867-4,877; 5/17/2013 	Tubing - Production 4,997.12								5,017	
			Item Des		Jts		Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)	
	Perf; 4,950-4,958; 5/17/2013 Tubing IPC; 4,928-4,992; 64.30; 2	Tubing			0	2 3/8		J-55	4,678.75	4,698	
	3/8; 1.995; 1-6	Tubing Pup J	loint		1	2 3/8	4.70	J-55	3.90	4,702	
	Pump Seating Nipple; 4,992-4,993; 0.85; 2 3/8; 1-7	Tubing			2	2 3/8	4.70	J-55	62.48	4,765	
	Wirewrap Screen; 4,993-5,017; 23.90; 2 3/8; 1-8	Anchor Latch	1		1	2 3/8			3.45	4,768	
	Perf; 5,009-5,016; 5/17/2013	Tubing			5	2 3/8		J-55	159.49	4,928	
		Tubing IPC			2	2 3/8	4.70	J-55	64.30	4,992	
		Pump Seatin			1	2 3/8			0.85	4,993	
	Perf; 10,128-1,064; 7/1/1986	Wirewrap Sc	reen		1	2 3/8			23.90	5,017	
	Casing Joint; 20-12,825; 12,805.00; 5 1/2; 4.892; 3-1									5,017	
	5 1/2, 4.032, 5-1	Rod Strings			•						
		Weatherford	HD on 11/2	2/2013 10:3	30						
		Rod Description				Run Date		String Ler		epth (ftKB)	
		Weatherford	HD Item Des		Jts	OD (in)	/2013 Wt (lb/ft)	Grade	4,978.00	4,992 Btm (ftKB)	
···	Perf; 10,196-10,220; 7/1/1986	Polished Roc			1	1 1/2	vvt (ibrit)	Grade	26.00	40	
41 2539 1655	— Perf; 10,221-10,244; 7/1/1986	Pony Rod	•		1	7/8			10.00	50	
. 🔯 🔤 —	— Perf; 10,245-10,260; 7/1/1986	Pony Rod			1	7/8		+	8.00	58	
20	Perf; 10,261-10,272; 7/1/1986	Pony Rod				7/8		╂───	4.00	62	
15 1 17 17 17 17 17 17 17 17 17 17 17 17 1		Sucker Rod			70	7/8	2.22		1,750.00	1,812	
3553 1 1555 3553 1 1555		Sucker Rod			110	3/4	1.63		2,750.00	4.562	
		Sinker Bar	-		16	1 1/2	6.01		400.00	4,962	
499		Pony Rod gu	idad		1	1 1/2	0.01		4.00	4,962	
na <u>1995</u> 605 -	— Perf; 10,694-10,704; 7/1/1986	Rod Insert Pi				1 1/2		╄━━-	26.00	4,900	
20 1			F			1 1/2		I	20.00	4,992	
61 2 255 1 2557		Perforations	; -T	_	Shot		· ·				
400 ·····					Dens		d Shot				
420		Date 5/17/2013	Top (ftKB) 4,867.0	Btm (ftKB)	(shots/ft	_	tal 20		Zone & Completi	on	
	-	5/17/2013	4,867.0	4,877.0	2.0		20 20				
212 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5/17/2013		4,926.0			16				
	- Perf; 12,609-12,613; 7/1/1986	5/17/2013	4,950.0			_					
	Perf; 12,613-12,619; 7/1/1986	++ <u></u>	5,009.0	5,016.0	2.0	4	14				
23 0 <u> </u>	Perf; 12,623-12,625; 7/1/1986	7/1/1986	10,128.0	1,064.0							
28 9 <u> </u>		7/1/1986	10 106 0	10,220.0							
			10,100.0								
450 1234 122	· · · · · ·	7/1/1986	10,221.0	10,244.0	<u> </u>						
	Perf; 12,645-12,649; 7/1/1986										
		7/1/1986	10,245.0	10,260.0	1						
	Perf; 12,658-12,667; 7/1/1986										
	Perf; 12,674-12,679; 7/1/1986	7/1/1986	10,261.0	10,272.0							
	— Perf; 12,685-12,691; 7/1/1986										
25.1		7/1/1986	10,273.0	10,305.0	1						
769 755 755 755 755 755 755 755 755 755 75	— Perf; 12,757-12,761; 7/1/1986	7/1/1986	10,348.0	10,368.0							
7.55	- GIL 12,137-12,131, 1111300			<u> </u>							
		7/1/1986	10,694.0	10,704.0				_			
3451 1254	Perf; 12,770-12,780; 7/1/1986	11		1	1						
264 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					-						



Wellbore Schematic

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Name VINGTON DEEP STATE 001	Fie Lo			Business Unit Mid-Continent					
Sec. of Sec Land & Original Hole,-7	Perforations			· · · · · · ·					
D B)	hematic (actual)					Shot Dens	Entered	Shot	
	Casing Joint; 20-464; 444.00; 13 3/8;	. Date 7/1/1986	Top (ftK 10,720		(ftKB) 750.0	(shots/ft)	Total		Zone & Completion
	12.715; 1-1 Tubing; 20-4,699; 4,678.75; 2 3/8; .	1////1986	10,720	.0 10,	750.0	1			
	1.995; 1-1 Casing Joint; 20-5,695; 5,675.00; 9	7/1/1986	10,761	.0 10,	765.0				
	5/8; 8.835; 2-1 Tubing Pup Joint; 4,699-4,703; 3.90;								
	2 3/8; 1.995; 1-2	7/1/1986	12,589	.0 12,0	601.0				
	Tubing; 4,703-4,765; 62.48; 2 3/8; 1.995; 1-3	7/1/1986	12,609	.0 12,0	613.0				
	Anchor Latch; 4,765-4,769; 3.45; 2 3/8; 1-4								
	Tubing; 4,769-4,928; 159.49; 2 3/8;	7/1/1986	12,613	.0 12,	619.0				
	Perf; 4,867-4,877; 5/17/2013 Perf; 4,916-4,926; 5/17/2013	7/1/1986	12,623	.0 12,0	625.0				
	Perf; 4,950-4,958; 5/17/2013 Tubing IPC; 4,928-4,992; 64.30; 2								
	3/8; 1.995; 1-6	7/1/1986	12,629	.0 12,0	631.0				
	Pump Seating Nipple; 4,992-4,993; 0.85; 2 3/8; 1-7	7/1/1986	12 632	.0 12,0	641.0				
	Wirewrap Screen; 4,993-5,017; 23.90; 2 3/8; 1-8								
	— Perf; 5,009-5,016; 5/17/2013	7/1/1986	12,645	.0 12,	649.0				
		7/1/1986	12.659	.0 12,0	667 N				
51 3	Perf; 10,128-1,064; 7/1/1986								
	Casing Joint; 20-12,825; 12,805.00; 5 1/2; 4.892; 3-1	7/1/1986	12,674	.0 12,	679.0				
59		7/1/1986	12.685	.0 12,0	691 0				
			,						
28 0	Dof 10 106 10 220 7/1/1086	7/1/1986	12,742	.0 12,	748.0				
	Perf; 10,196-10,220; 7/1/1986 Perf; 10,221-10,244; 7/1/1986	7/1/1986	12 757	.0 12,	761.0				
100 C	Perf; 10,245-10,260; 7/1/1986		12,101	.0 12,	101.0				
2.20	— Perf; 10,261-10,272; 7/1/1986	7/1/1986	12,770	0.0 12,	780.0				
	— Perf; 10,273-10,305; 7/1/1986	7/1/1986	12 78/	.0 12.	802.0				
68 1 68 1	Perf; 10,348-10,368; 7/1/1986		12,70-		002.0				
499	л , , , ,	Other Strings							-
93 9	 Perf; 10,694-10,704; 7/1/1986	Run Date	Pu	l Dațe	Set L	Depth (ftKB)		Com
2 7 A 177	Perf; 10,720-10,750; 7/1/1986	Other In Hole)						· ··· · · · · · · · · · · · · · · · ·
81.2	Perf; 10,761-10,765; 7/1/1986	Des Fill (Sand / Mu		op (ftKB) 507.0	Btm (ft)	KB) Ri 0.0 5/31	in Date	Pull Date 9/30/2013	Com
40 0		Debris)	,	557.0			,2010	5,5572015	
		Bridge Plug		510.0	516	5.0 5/31	/2013	9/30/2013	
		(Retrievable)	115						
129 7220 622	Perf; 12,609-12,613; 7/1/1986	Bridge Plug		,765.0	4,77	1.0 5/30	/2013	10/1/2013	
		(Retrievable)	TTS						
		Cement		5,192.0	5,34	5.0 5/15	/2013		
81.9	Perf; 12,632-12,641; 7/1/1986	Cement		5,193.0		3.0 11/1			
aso	— Perf; 12,645-12,649; 7/1/1986	Abandonmen Fluid	t t	5,345.0	7,000	0.0 5/14	/2013		
489		Cement		7,000.0	7.50	6.0 5/14	/2013		
	Perf; 12,658-12,667; 7/1/1986	Abandonmen		7,506.0		65. 5/14			
573 9	Perf; 12,674-12,679; 7/1/1986	Fluid				0			
285 0	Perf; 12,685-12,691; 7/1/1986	Cement		10,065. 0	10,10	00. 5/13 0	3/2013		
201		Cement		10,065.	10,10				
756 9	Perf; 12,742-12,748; 7/1/1986			0		0			
	——Perf; 12,757-12,761; 7/1/1986	Bridge Plug (Permanent)		10,100. .0	10,10	02. 5/13	3/2013		
7700	Perf; 12,770-12,780; 7/1/1986	Cement		10,615.	10.6	50. 5/13	3/2013		}
	Perf; 12,784-12,802; 7/1/1986			0		0			
	, ,	1							



Wellbore Schematic

oVIN.	GTON DEEP STATE 001	Field Name Lovington	Business Unit Mid-Continent
	Land - Original Hole, 7/14/2014 8:05:21 AM	Other In Hole	
MD IKB)	Vertical schemalic (actual)	Des Top (ftKB) Btm (ftKB) Run Da	
	Ventical schematic (actual) Casing Joint; 20-464; 444.00; 13 3/8;	Bridge Plug 10,650. 10,652. 5/13/201 (Permanent) 0 0	13
20 0 10	[22] [22] [22] [22] [22] [22] [22] [22]	(Permanent) 0 0 Cement 10,940. 11,040. 5/10/201	12
49.9	Tubing; 20-4,699; 4,678.75; 2 3/8;	0 0	13
62.0	Casing Joint; 20-5,695; 5,675.00; 9	Bridge Plug • 11,040. 11,042. 5/10/201	13
1,064 0	Tubing Pup Joint; 4,699-4,703; 3.90;	(Permanent) 0 0	
4,024.9	2 3/8, 1.995; 1-2 Tubing; 4,703-4,765; 62.48; 2 3/8;	Cement Retainer 12,510. 12,512.	
4,698.8	1.995; 1-3 Anchor Latch; 4,765-4,769; 3.45; 2	0 0	
4,765 1	3/8; 1-4	Bridge Plug • 12,648. 12,650. (Permanent) 0 0 0	
667,1	Tubing; 4,769-4,928; 159.49; 2 3/8; 1.995; 1-5	Bridge Plug 12,725. 12,727.	·
4,916 0		(Permanent) 0 0	
4 928 1	✓ Perf; 4,950-4,958; 5/17/2013	Cement Retainer 12,767. 12,769.	
4,958.0	Tubing IPC; 4,928-4,992; 64.30; 2 3/8; 1,995; 1-6	0 0	
4 965 9	Pump Seating Nipple; 4,992-4,993;		
4.992 5	0.85; 2 3/8; 1-7 Wirewrap Screen; 4,993-5,017;	4-9-14	JD-12,825
5,008 9	23.90; 2 3/8; 1.8 23.90; 2 3/8; 1.8 Perf; 5,009-5,016; 5/17/2013		, – –
5.017.1	Pen; 5,009-5,016; 5/17/2013	DiG I	
5,192 9			
5 345 1	∽ Perf; 10,128-1,064; 7/1/1986	0, iC 1 3002 12 Wtre El DOR 12,000	n v
6,884 8	Casing Joint; 20-12,825; 12,805.00; 5 1/2; 4.892; 3-1	1)tal B	V
7,505 9		1000 101050	
10, 190 1		KOR TON	
10,128 0			
0.220 1	2001		
0.220 1	Perf; 10,221-10,244; 7/1/1986		
	208 807 Perf; 10,245-10,260; 7/1/1986	Λ	5 5 (
10,259 8	Act	A-1 17 823 N	12326
10,272 0	→ → → → → → → → → → → → → → → → → → →	,,, ,, ,,	
	→ → → → → → → → → → → → → → → → → → →	MAR NI	ST IE.
10,368.1		N C DO	
10,649 9			
1D,693 9	Perf; 10,694-10,704; 7/1/1986		
10 720 1	Perf; 10,720-10,750; 7/1/1986		·
10 761 2	2001 Perf; 10,761-10,765; 7/1/1986	Α	uner
0.940.0		Je" Hog Det	WI
11 042 0			
12.512 1		1	$\mathcal{M}(\mathcal{O})$
12.601 0	Perf; 12,589-12,601; 7/1/1986		\mathbf{A}
2,612 9	Perf; 12,609-12,613; 7/1/1986		5011
2,623 0	Acc Perf; 12,609-12,613; 7/1/1986 Acc Perf; 12,613-12,619; 7/1/1986 Acc Perf; 12,623-12,625; 7/1/1986 Acc Acc Acc Perf; 12,623-12,625; 7/1/1986 Acc Acc	6	
2,628 9	888 852 888 986 - Perf; 12,629-12,631; 7/1/1986	i u il m Det	-
2,631 8	7204 944 Perf; 12,632-12,641; 7/1/1986	1 212 40-	
2,645 0	835 834 () Perf; 12,645-12,649; 7/1/1986		
2,648 9		- 0	
2,658 1	200 Perf; 12,658-12,667; 7/1/1986		
2,673 9	200 Perf; 12,674-12,679; 7/1/1986		
2,685 0	₩4 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2 ₩2		
12,725 1			
12,742 1	Deft 12 742 42 749 7/4/4096		
12,756 9	353 163 Perf; 12,742-12,748; 7/1/1986 353 163 163		
12,767.1	Perf; 12,757-12,761; 7/1/1986		
12,770 0			
12,784 1	344 357 Perf; 12,770-12,780; 7/1/1986		
	Perf; 12,784-12,802; 7/1/1986		



Tubing Summary

Well Name Lease LOVINGTON DEEP STATE 001 Lovington Deep State Ground Elevation (ft) 0riginal RKB Elevation (ft) 3,932.00 Current KB to Ground (ft)				Field Name Lovington						Business Unit Mid-Continent			
		Current RKB Elevation 3,952.00					M	Mud Line Elevation (ft) Water Depth (ft)					
				Current KE	to Csg	Flange	(ft)		Cı	Current KB to Tubing Head (ft)			
	Land - Original Hole, 11/2/2013	7:30:00 AM	Tubi	ng Strings									
ND TVD ftK (ftK Inc				Description Ig - Producti		Planned		N		Set Depth (M	D) (ftKB) 5,017.1	Set Depth (TVD) (ftKB)
B) B) (°)	Vertical schen	natic (actual) 1-1; Tubing; 2 3/8; 1.995; 20; •••••	Run Da	ate		Run Jol	b			Pull Date	5,017.	Pull Job	
451		4,678.75 1-2; Tubing Pup Joint; 2 3/8;		11/2/2013	1	Stimu 14:00		, 9/27/2	013				
624 J	- 「「百公」 慶劉 2 1 「7	1.995; 4,699; 3.90 1-3; Tubing; 2 3/8; 1.995;	Jts	Item Des		in) IC	D (in)	Wt (lb/ft)	Gra		hread Len (ft)	Top (ftKB)	Btm (ftK
762.6		4,703; 62.48 1-4; Anchor Latch; 2 3/8;	0	Tubing	2:	3/8 1.	.995	4.70	J-55	8RD		7 20.0 5	4,698
746 7		4,765; 3.45 1-5; Tubing; 2 3/8; 1.995;	1	Tubing Pu	p 2:	3/8 1.	.995	4.70	J-55		3.90		4,702
1231		4,769; 159.49	2	Joint Tubing		3/8 1.	005	4.70	1.55	8RD	62.4	4,702.7	4,765
¥60,		1-6; Tubing IPC; 2 3/8; 1.995; 4,928; 64.30		Tubing	2.		.995	4.70	3-55		02.40	4,702.7	4,700
+12.5		1-7; Pump Seating Nipple; 2 3/8; 4,992; 0.85	1	Anchor Latch	2 3	3/8					3.4	4,765.1	4,768
(68.5		1-8; Wirewrap Screen; 2 3/8; 4,993; 23.90	5		2:	3/8 1.	.995	4.70	J-55	8RD	159.4	4,768.6	4,928
D17.1													
1921			2	Tubing IPC	2:	3/8 1.	.995	4.70	J-55	1	64.3	4,928.1	4,992
ana 1			1		2:	3/8				8RD	0.8	5 4,992.4	4,993
505 F				Seating Nipple									
1 180 1			1	Wirewrap	2:	3/8					23.9	4,993.2	5,017
				Screen					l				
1 220 1			Rod	 Strings								5,017.1	5,017
1244 1	324 24 334 250 704 44		Rod De	escription		Planned				Set Depth (ft)		Set Depth (TVD) (ftKB)
	数 数 数 数 数 数 数 数 数 数 数 数 数 数		Run Da	therford HD		Run Jol	b	N		Pull Date	4,992.	Pull Job	
0 329 0	1933 1932 1925 1926		i I	11/2/2013		Stimu 14:00		, 9/27/2	013				
6 368 1	899 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Componen									
			Jts 1	Polished Ro	m Des od) (in) (1/2	Grade	Mod Chromed		(ft) Top (ftKB) 5.00 14.0	Btm (ftK 40
				Pony Rod				7/8				0.00 40.0	
1781				Pony Rod				7/8			-	3.00 50.0	
6 761 2	924 934 936 937			Pony Rod Sucker Rod				7/8 7/8 D		Grade 7		4.00 58.0 0.00 62.0	
1 wo 1				Sucker Roc				3/4 D		Grade 7			4,562
642.9			16	Sinker Bar			1	1/2				0.00 4,562.0	4,962
2 812 1				Pony Rod g				1/2				4,962.0	
2 687 8	556 1655 3656 1655]	Rod Insert	Pump		1	1/2		<u> </u>	2	6.00 4,966.0	4,992
2 8 2 3 0													
2 629 9	936 143 1386 188 1386 188 1386 188 1386 188 1386 188 1386 186 1386 186		{										
2,431 #	284 854 284 855												
2413													
2441 9			11										
24581	889 885 989 885		i										
2 673 5	354 1551 336 156		[]									· .	,
127261 .			ļ										
127421													
12 794 9													
12 747 1												2	
127744													
12.764 1			11										
12 445 1			j L										