

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

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.)		WELL API NO. 30-025-21675
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
4. Well Location Unit Letter: F 2310 feet from the NORTH line and 1860 feet from the WEST line Section 25 Township 17S Range 34E NMPM County LEA		8. Well Number 23
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323
		10. Pool name or Wildcat VACUUM; GLORIETA

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

NOTICE OF INTENTION TO:

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

OTHER: ☐

SUBSEQUENT REPORT OF:

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

OTHER: RETURN TO PRODUCTION

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE FIND ATTACHED, REPORTS FOR WORK DONE FROM 10/16/2013 THROUGH 11/11/2013 ON THE SUBJECT WELL.

***The original intent and submittal said we were adding perfs & acidizing. That did not happen. NEW PERFS WERE NOT ADDED.

07/03/2014: ON 24 HR OPT. PUMPING 4 OIL, 53 GAS, & 2138 WATER. GOR-13162.

Spud Date:

Rig Release Date:

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

SIGNATURE

TITLE: REGULATORY SPECIALIST

DATE: 09/10/2014

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

09/25/14

Conditions of Approval (if any):

SEP 25 2014



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023	Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation	Mud Line Elevation (ft) Water Depth (ft)

Report Start Date: 10/16/2013

Com

~~CREW TRAVEL~~

~~JCA & HECM~~

MIRU WOR and related equipment

NU BOP

~~WORK~~

Check Pressure CSG 0 PSI

Elevator SOP

MU 7" Test PKR

TIH 1 JNTS - TST BOP 500 PS I- Good TST - RD PKR

Pick up Drill Collars

	O.D.	I.D.	Length
MT Bit	6 1/8	7/8	0.46
Bit Sub	4 1/4	1 1/2	1.34
DC	3 1/2	1 9/16	29.90
DC	3 3/8	1 11/16	29.10
DC	3 1/2	1 1/2	31.40
DC	3 1/2	1 9/16	30.10
DC	3 1/2	1 9/16	30.17
DC	3 1/2	1 1/2	31.34
Top Sub	3 11/16	1 3/4	0.90

Bottom Hole Assembly Total 184.70

TIH

EOT @ 1782' (51 JNTS)

Tongs broke

~~Downer Crew~~

~~CREW TRAVEL~~

Report Start Date: 10/17/2013

Com

~~CREW TRAVEL~~

~~JCA & HECM~~

Check Pressure CSG 0 PSI

Elevator SOP

Change out tongs

TOH

Stand back DC and remove bit and sub

Wait on Shoe with wires and windows

6 1/8" Shoe & Drill Collars

	O.D.	I.D.	Length
Shoe	6 1/8	5	4.24
Bushing	4 3/4	2 1/16	2.01
Xover	4 3/4	2 1/4	1.51
Xover	4 3/4	2	2.63
DC	3 1/2	1 9/16	29.90
DC	3 3/8	1 11/16	29.10
DC	3 1/2	1 1/2	31.40
DC	3 1/2	1 9/16	30.10
DC	3 1/2	1 9/16	30.17
DC	3 1/2	1 1/2	31.34
Top Sub	3 11/16	1 3/4	0.90

Bottom Hole Assembly Total 193.29

TIH tag CIBP @ 5712' (176 JNTS)

EOT @ 5690' (175 JNTS)

RU Pump Lines displace WB with 220 BBL 10# Brine



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

~~CREW TRAVEL~~

Report Start Date: 10/18/2013

Com

~~CREW TRAVEL~~

~~ISA & HESM~~

Check Pressure

CSG 0 PSI

TBG 0 PSI

Elevator SOP

RU PS

Burn over CIBP - Tag @ 5712'

Pushed down an Tagged @ 5834' - 20 points

total fluid lost - 230 BBL afgter cutting seals on CIBP

Cir Well Bore Clean

Lay down 1 JNT RD PS

TOH

Stand Back DC and check shoe

Nothing in shoe

RU 4 3/4" MT Bit 1 JNT, 4 3/4" String mill, And TBG

TIH

EOT @1870' (59 JNTS)

~~Debrief Crew~~

~~CREW TRAVEL~~

Report Start Date: 10/19/2013

Com

~~CREW TRAVEL~~

~~ISA & HESM~~

Check Pressure

CSG 0 PSI

TBG 0 PSI

Elevator SOP

TIH Tag @ 5834'

Inj Rate 2 BPM @ 1000 PSI cir 15 BBL

BOP Drill and Accumulator test

TOH

RD String mill and bit, RU INJ PKR

MIRU TBG Testers

~~Lunch~~

TIH Test TBG 6000 PSI

EOT @5754' (183 JNTS)

Test PKR 500 PSI

Good Test

RDMO TBG Testers

Ready For Acid

~~Debrief Crew~~

~~CREW TRAVEL~~

Report Start Date: 10/21/2013

Com

~~CREW TRAVEL~~

~~ISA & HESM~~

MIRU Petroplex Acid Equip

Check Pressure

CSG 0 PSI

TBG 0 PSI



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Giorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

Test Lines to 6000 PSI

Break cir establish injection rate with fresh water
Pump 3500 Gallons 15% HCL
Flush with 40 BBL fresh water

Max Press 1800 PSI
AVG Press 1500 PSI

Max Rate 4.3 BPM
AVG Rate 4.2 BPM

ISIP 727 PSI
5 Min 150 PSI
10 Min 17 PSI
15 Min 0 PSI (on a vacuum)

136 BBL Total load to recover

Let Acid Work

RU swab line and put new flags in line.

Swab Well recovered 102 BBL

Fluid level staying around 1300'

~~Debrief Crew~~

~~CREW TRAVEL~~

Report Start Date: 10/22/2013

Com

~~CREW TRAVEL~~

~~ISA & HESM~~

Check Pressure
CSG 0 PSI
TBG 0 PSI

Elevator SOP

Swab Well recovered 20 BBL

Fluid level start at 800'
Ending fluid level 1300'

130 BBL total recovered

Release PKR & TOH

~~Launch~~

Pick up Drill Collars

	O.D.	I.D.	Length
MT Bit	6 1/8	7/8	0.46
Bit Sub	4 1/4	1 1/2	1.34
DC	3 1/2	1 9/16	29.90
DC	3 3/8	1 11/16	29.10
DC	3 1/2	1 1/2	31.40
DC	3 1/2	1 9/16	30.10
DC	3 1/2	1 9/16	30.17
DC	3 1/2	1 1/2	31.34
DC	3 1/2	1 9/16	30.11
DC	3 1/2	1 9/16	29.40
DC	3 1/2	1 9/16	31.47
DC	3 1/2	1 9/16	30.24
Top Sub	3 11/16	1 3/4	0.90

Bottom Hole Assembly Total 305.92

TIH to 5829' (176 JNTS)

RU Stripper head and PS



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com	
Cir 10# Brine @ 4 BPM - 200 - 300 PSI - loosing 3.5 BPM -	
Shut down - set up tank and trucks to bring fresh water	
Debrief Crew	
CREW TRAVEL	
Report Start Date: 10/23/2013	
Com	
CREW TRAVEL	
ISA & HESM	
Check Pressure	
CSG 0 PSI	
TBG 0 PSI	
Elevator SOP	
Off load tank and 200 BBL of fresh water	
Reverse displace 10# with fresh, unable to keep good circulation with out loosing pumping 4 BPM, and getting 1 BPM Back, switch to conventional pumping 4 BPM return 3.75 BPM	
Mill out CIBP (5834') and clean out to 5927' (179 JNTS)	
Cir WB clean - 270 BBL Fresh WTR	
RD PS	
TOH to 5739' (173 JNTS)	
Debrief Crew	
CREW TRAVEL	
Report Start Date: 10/24/2013	
Com	
CREW TRAVEL	
ISA & HESM	
Check Pressure	
CSG 0 PSI	
TBG 0 PSI	
Elevator SOP	
TIH 6 JNTS	
RU PS	
Cir 40 BBL, caught cir	
Clean out to 6058' (27' Blewo Bottom Perf)	
(184 JNTS) Solid	
Cir WB clean - 240 BBL Fresh WTR	
RD PS	
TOH to 5709' (172 JNTS)	
Debrief Crew	
CREW TRAVEL	
Report Start Date: 10/25/2013	
Com	
CREW TRAVEL	
ISA & HESM	
Check Pressure	
CSG 0 PSI	
TBG 0 PSI	
Elevator SOP	
TOH from 5709' (172 JNTS) - Left 2 DC, Bit Sub and Bit @ 5996' (61.31' Fish)	
Lay Down DC, Send all DC to be inspected	
Wait on overshot and DC - Off Load 179 JNTS J55 Production TBG	



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

MU 5 3/4" over shot

Overshot	3.55	4 5/8	2 11/16	5 3/4"
XO	1.28	4 5/8	2 1/8	
XO	0.88	4 3/4	1 1/4	
XO	0.93	4 1/4	1 7/8	
Bu Sub	5.98	3 3/4	1 1/2	
Jars	12.26	3 11/16	1 1/2	
DC	30.05	3 1/2	1 1/2	
DC	30.66	3 1/2	1 9/16	
T/S	0.99	3 1/16	1 3/4	

Total BHA 86.49

TIH tag @ 5870' (185 JNTS) - set down 7 PNT

PU 30' TIH to 5895' -

TOH - no fish

Check Overshot - scaring on overshot- Set up WL

~~Debrief Crew~~

~~CREW TRAVEL~~

Report Start Date: 10/28/2013

Com

~~CREW TRAVEL~~

~~ISA & HESM~~

Check Pressure

CSG 0 PSI

TBG 0 PSI

Elevator SOP

Wait on Orders, Wait on 2 7/8 PH6 TBG and slip elevators

Pick slip elevator, perform elevator SOP,

MU 5 3/4" over shot with 9 JNTS 2 7/8 PH6

Overshot	3.55	4 5/8	2 11/16	5 3/4"
XO	1.28	4 5/8	2 1/8	
XO	0.88	4 3/4	1 1/4	
XO	0.93	4 1/4	1 7/8	
XO	1.25	3 1/2	1 1/2	
PH6	281.28	2 7/8	1 1/2	(9 JNTS)
XO	1.22	3 1/2	1 1/2	
Bu Sub	5.98	3 3/4	1 1/2	
Jars	12.26	3 11/16	1 1/2	
DC	30.05	3 1/2	1 1/2	
DC	30.66	3 1/2	1 9/16	
T/S	1.25	3 5/8	1 1/2	

Total BHA 370.59

TIH tag @ 5785' (179 JNTS)

Latch fish, Set down 10 Points, Pull & set jars off drag through to window.

TOH

Stand back PH 6, No fish. Check grapple no marks, will leave out 2 JNTS PH 6, and add 2 DC in morning run.

~~Debrief Crew~~

~~CREW TRAVEL~~

Report Start Date: 10/29/2013

Com

~~CREW TRAVEL~~

~~CONDUCTED SAFETY MEETING, REVIEWED JSAS, TENET #9, HAZARD #8, DISCUSSED WELL CONTROL, DISCUSSED SWA, DISCUSSED ECOLORS (BLU/RED), CALIBERED 2 7/8" ELEVATORS~~



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

0 PSI WELL PRESSURE.

P/U BHA:

LENGTH
Overshot 3.55 5 3/4" OD
XO 1.28
XO 0.88
XO 0.93
XO 1.25
PH6 281.28 (9 JNTS)
XO 1.22
Bu Sub 5.98
Jars 12.26
DC 30.05
DC 30.66
T/S 1.25

TOTAL: 370.59'

TIH W/171 JTS 2 7/8" L80 WS TO 5740' MD. STOPPED AT 5740' MD TO N/U STRIPPER HEAD.

CONT TIH W/ 2 7/8" WS UNTIL HOLE BECAME TIGHT AT DEPTH OF 5985'.

R/U POWER SWIVEL AND CIRCULATED W/ 240 BBL FW @ 2.5 BBL/MIN.

BEGAN ROTATING WS. STACKED OUT WS. REQUIRED ~30K LB TENSION OVER WEIGHT STRING TO BREAK LOOSE. MADE MULTIPLE ATTEMPTS. COULD NOT GO FURTHER INTO LATERAL TO REACH TOP OF FISH.

PICKED UP OFF BOTTOM AND CIRCULATED W/ 180 BBL FW. R/D POWER SWIVEL.

TOH AND RACKED BACK 2 7/8" L-80 WS AND L/D BHA. DECISION WAS MADE TO LEAVE FISH IN LATERAL. 205' OF PAY STILL LEFT IN LATERAL SECTION.

~~CREW TRAVEL~~

Report Start Date: 10/30/2013

Com

~~CREW TRAVEL~~

~~CONDUCTED SAFETY MEETING. REVIEWED JSA'S, TENET #10, HAZARD #10. DISCUSSED WELL CONTROL. DISCUSSED SWA. DISCUSSED ECOLORS (BLUE/RED). CALIPERED 2 7/8" ELEVATORS.~~

PU BHA AS FOLLOWS:

BOX TAP - 5.40'
X/O - 2.63'
XO - 1.52
SUB - 4.23'
2 7/8" BENT JT - 32.75'
X/O -- 1.91'
BUMPER SUB - 5.98'
JAR - 12.26
6 - DC'S
TOP SUB - 1.25'

TIH W/ 175 JTS TO 5749. START TO RECIPROCATATE AND TURN TUBING A QUARTER OF TURN AT A TIME FROM 5749 - 5838. WENT THRU SECTION A FEW TIMES WITH NO LUCK OF FEELING WHIPSTOCK W/ 5 15/16" GUIDED BOX TAP. AT 5838, DID TAG UP IN THE LATERAL W/ 4 PTS, PU ON WS, DID SEE 15'K OVER, WEIGHT OF WS WHEN WE PULLED OUT. ATTEMPTED SEVERAL TIMES, SAME RESULTS. CALLED REMEDIAL TO DISCUSS, AGREED TO PULL OUT AND LOOK AT BOX TAP/GUIDE.

TOH W/ WS AND BHA. LAYED DOWN BHA. DID NOT SEE ANY INDICATION INSIDE GUIDE THAT WE WERE OVER WHIPSTOCK. DID SEE SHINING SPOTS ON BOX TAP/GUIDE WHERE WE WERE RUBBING AGAINST CASING AS WE WERE ATTEMPTING TO FIND WHIPSTOCK. CALLED REMEDIAL AND DISCUSSED OPTIONS. DECIDED TO RUN CAMERA IN THE MORNING.

TIH W/ 185 JTS TO 5808'

~~CREW TRAVEL~~

Report Start Date: 10/31/2013

Com

~~CREW TRAVEL~~

~~CONDUCTED SAFETY MEETING. REVIEWED JSA'S, TENET #10, HAZARD #10. DISCUSSED WELL CONTROL WITH RESPECT TO WIRELINE OPERATIONS. DISCUSSED SWA. DISCUSSED ECOLORS. CALIPERED 2 7/8" ELEVATORS.~~

WELL ON VACUUM. CIRCULATED 120 BBL FW @ 2.5 BPM.

MIRU WIRELINE TRUCK AND EQUIPMENT. P/U SIDEVIEW DOWNHOLE CAMERA.



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com					
RIH DOWNHOLE CAMERA.					
TOP OF WINDOW: 5818'					
TOP OF WHIPSTOCK: 5819'					
TOP OF WHIPSTOCK HOOK: 5824'					
BOTTOM OF WHIPSTOCK HOOK: 5825'					
CIRCULATED 260 BBL FW DURING OPERATION @ BETWEEN 1 AND 3 BPM. LOST 90 BBL FW.					
POOH AND L/D DOWNHOLE CAMERA. RDMO GRAY WIRELINE.					
TOH AND RACK BACK 2 7/8" WS. P/U, RACK BACK 3 STANDS 3 1/2" DRILL COLLARS.					
P/U FISHING BHA AND TIH 10 STANDS 2 7/8" WS.					
BHA:					
HOOK	1.85 F.N.	5"	5.72'		
DE-CENT	1.12 F.N.	4 3/4" x 1 3/4"	2.58'		
XO		4 3/4" x 2"	2.63'		
BUMPER SUB		3 3/4" x 1 1/2"	5.98'		
JARS		3 3/4" x 1 1/2"	12.26'		
6 DC			184.95'		
XO		3 5/8" x 1 1/2"	1.25'		
TOTAL BHA			215.37'		
TOTAL DEPTH			857.52'		
SHUT IN WELL AND SDFD.					
CREW TRAVEL					
Report Start Date: 11/1/2013					
Com					
CREW TRAVEL.					
CONDUCTED SAFETY MEETING, REVIEWED JSAS, TENET #1, HAZARD #1. DISCUSSED SAFETY DURING JARRING OPERATIONS. DISCUSSED WELL CONTROL WITH RESPECT TO FISHING. DISCUSSED GWA. DISCUSSED ECOLORS (GREEN/BLUE). CALIPERED 2 7/8" ELEVATORS.					
WELL ON VACUUM. TIH W/ 159 JTS 2 7/8" WS TO DEPTH OF +/- 5025' DEPTH.					
BRIEFED ALL PERSONNEL ON LOCATION ABOUT COMPLIANCE ASSURANCE AUDIT FINDINGS.					
HOOKED WHIPSTOCK AND BEGAN JARRING. JARRED STRING BEGINNING WITH 15 POINTS. INCREASED TO 50 POINTS AT WHICH TIME WHIPSTOCK BECAME FREE.					
CREW LUNCH, REVIEWED JSAS.					
TOH AND STACKED BACK 179 JTS 2 7/8" L-80 WS. L/D FISHING BHA AND WHIPSTOCK. SHUT IN WELL AND SDFD.					
CREW TRAVEL					
Report Start Date: 11/2/2013					
Com					
CREW TRAVEL.					
CONDUCTED SAFETY MEETING, REVIEWED JSAS, TENET #2, HAZARD #2. DISCUSSED IMPORTANCE OF 2 MECHANICAL BARRIERS AT ALL TIMES. DISCUSSED GWA. DISCUSSED IFO. DISCUSSED ECOLORS (GREEN/RED). CALIPERED 2 7/8" ELEVATORS.					
EVALUATED PERSONNEL TO BUCKEYE STORE DUE TO CLOSE PROXIMITY FIRE OF UNKNOWN ORIGIN IN VICINITY. WAITED AT BUCKEYE STORE UNTIL THE ALL CLEAR WAS GIVEN BY PRODUCTION.					
WELL ON VACUUM. P/U 7" WEATHERFORD TS RBP AND O/O TOOL. TIH 79 JTS 2 7/8" L-80 WS TO +/- 2477'.					
SET 7" TS RBP @ 2477' W/ 15K OVER.					
TOH AND STAND BACK 79 JTS 2 7/8" L-80 WS. P/U 2nd WEATHERFORD 7" TS RBP.					
TIH 32 JTS 2 7/8" WS AND RBP. SET 7" TS RBP @ +/- 1030'.					
SET WEATHERFORD 7" TS RBP @ +/- 1030' W/ 15K OVER.					
TOH AND STAND BACK 32 JTS 2 7/8" WS. L/D O/O TOOL. POURED 10' SAND ONTO TOP PACKER. R/D TUBING FLOOR.					
CREW LUNCH, REVIEWED JSAS.					
N/D BOP. N/U ESP TUBING HEAD.					
N/U BOP. TEST BOP TO 250 LOW/ 500 HIGH. PRESSURE HELD.					
P/U O/O TOOL. TIH 32 JTS 2 7/8" L-80 WS. TAGGED SAND.					
L/D 1 JOINT AND P/U TUBING SWIVEL. CIRCULATED CLEAN SAND. L/D TUBING SWIVEL. P/U 1 JOINT.					
LATCHED ONTO RBP W/ O/O TOOL. TOH 32 JTS 2 7/8" WS. L/D RBP.					
L/D RBP. TIH 79 JTS 2 7/8" WS TO 2477'. RETRIEVE RBP W/ O/O TOOL.					



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

TOH, STAND BACK 79 JTS 2 7/8" WS. L/D RBP AND O/O TOOL. SHUT IN WELL AND SDFD.

~~CREW TRAVEL~~

Report Start Date: 11/4/2013

Com

~~CREW TRAVEL~~

~~CONDUCTED SAFETY MEETING. REVIEWED JSA'S, TENET #1, HAZARD #1. EXPLAINED HOW HES KILLS AND DISCUSSED WITH IT IS IMPORTANT TO ALWAYS FOLLOW SAFETY PROTOCOL WITH H2S. DISCUSSED WELL CONTROL. DISCUSSED USE OF SWA. DISCUSSED E-COLORS (BLUE/GREEN). CALIPERED 2 7/8" ELEVATORS.~~

WELL ON VACUUM. P/U DRILLING BHA.

BHA:

BIT	6 1/8"	.4'
BOTTOM SUB	4 1/4 x 2 1/16"	1.51'
DC	3 3/8 x 1 3/4"	28.98'
DC	3 1/2 x 1 1/2"	30.43'
DC	3 1/2 x 1 1/2"	29.55'
DC	3 1/2 x 1 1/2"	31.38'
DC	3 1/2 x 1 1/2"	31.32'
DC	3 7/16 x 1 5/8"	30.35'
DC	3 1/2 x 1 1/2"	31.24'
DC	3 7/16 x 1 5/8"	31.33'
DC	3 1/2 x 1 1/2"	30.05'
DC	3 1/2 x 1 9/16"	30.66'
TOP SUB	3 5/8 x 1 1/2"	1.25'

BHA TOTAL LENGTH 308.51'

TIH 177 JTS 2 7/8" L-80 WS. TAGGED CIBP @ +/- 5840'.

R/U POWER SWIVEL AND N/U STRIPPER HEAD.

ESTABLISHED CIRCULATION W/ 50 BBL FW @ 2.5 BPM.

DRILLED OUT CIBP.

CREW LUNCH. REVIEWED JSA'S.

C/O TO PBTD @ +/- 6152' DEPTH. NO FILL WAS ENCOUNTERED.

CIRCULATED CLEAN W/ 250 BBL FW @ 2.5 BPM.

R/D POWER SWIVEL AND N/D STRIPPER HEAD.

TOH AND STOOD BACK 175 JTS 2 7/8" WS. LEFT BHA AND 10 STANDS KILL STRING FOR +/- 934' DEPTH. SHUT IN WELL AND SDFD.

~~CREW TRAVEL~~

Report Start Date: 11/5/2013

Com

~~CREW TRAVEL~~

~~CONDUCTED SAFETY MEETING. REVIEWED JSA'S, TENET #5, HAZARD #5. DISCUSS SAFETY WITH RESPECT TO HYDROTESTING TBG SUCH AS WEARING GOGGLES DURING OPERATION. DISCUSSED SAFETY W/ RESPECT TO WORKING WITH AND AROUND ACID. DISCUSSED WELL CONTROL. DISCUSSED USE OF SWA. DISCUSSED E-COLORS (BLUE/RED). CALIPERED 2 7/8" ELEVATORS.~~

TOH AND L/D 2 7/8" L-80 WS AND BHA.

BHA:

BIT	6 1/8"	.4'
BOTTOM SUB	4 1/4 x 2 1/16"	1.51'
DC	3 3/8 x 1 3/4"	28.98'
DC	3 1/2 x 1 1/2"	30.43'
DC	3 1/2 x 1 1/2"	29.55'
DC	3 1/2 x 1 1/2"	31.38'
DC	3 1/2 x 1 1/2"	31.32'
DC	3 7/16 x 1 5/8"	30.35'
DC	3 1/2 x 1 1/2"	31.24'
DC	3 7/16 x 1 5/8"	31.33'
DC	3 1/2 x 1 1/2"	30.05'
DC	3 1/2 x 1 9/16"	30.66'
TOP SUB	3 5/8 x 1 1/2"	1.25'

BHA TOTAL LENGTH 308.51'

MIRU HYDROTEST. P/U 7" TREATING PACKER AND HYDROTEST IN HOLE 188 JTS 2 7/8" L-80 WS TO +/- 5910' DEPTH.

SET 7" TREATING PACKER. RDMO HYDROTEST.



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

~~CREW LUNCH. REVIEWED ISA'S.~~

MIRU PETROPLEX. TESTED LINES AND EQUIPMENT TO 6000 PSI. PRESSURE HELD. R/U POP-OFF VALVE AND SET AT 5700 PSI.

START ON WATER 13 BBL AT 3161 PSI @ 8 BPM. INCREASED RATE TO 10 BPM, WENT ON ACID. PUMPED 34 BBL ACID ON FORMATION, PRESSURE AT 3606 @ 10 BPM. CONT TO PUMP 60 BBL ACID, PRESSURE FELL TO 3110 PSI. HAD 10 BBL OF FLUSH IN TUBING WHEN WE NOTICED COMMUNICATION. SLOWED DOWN PUMP RATE AND CONT W/ REMAINING 30 BBL FLUSH TO DISPLACE ACID FROM TUBING STRING. ISIP WAS 748 PSI, 5 MIN WAS 74 PSI, AND AT 10 MIN WELL WAS ON VACUUM.

RDMO PETROPLEX.

WELL STILL ON VACUUM. RELEASED PACKER. PULLED AND L/D 5 JTS 2 7/8" WS. SET PACKER 84' ABOVE WINDOW AT 5754'. TESTED BS TO 500 PSI. PRESSURE HELD. SHUT IN WELL AND SDFD. WAITING ON ACID TO SPEND.

~~CREW TRAVEL.~~

Report Start Date: 11/6/2013

Com

~~CREW TRAVEL.~~

~~CONDUCTED SAFETY MEETING. REVIEWED ISA'S, TENET #6, HAZARD #6. DISCUSSED WELL CONTROL AND EACH PERSON'S RESPONSIBILITIES. DISCUSSED USE OF SWA. DISCUSSED E-COLORS (GREEN/RED). CALIPERED 2 7/8" ELEVATORS.~~

WELL ON VACUUM. P/U LUBRICATOR, SWABBED AS FOLLOWS: SFL @ 350' FROM SURFACE, EFL @ 650. MADE 3 RUNS, RECOVERED 16 BBLS - ALL WATER.

SFL @ 650' FROM SURFACE, EFL @ 1200'. MADE 4 RUNS, RECOVERED 21 BBLS - ALL WATER.

SFL @ 1200' FROM SURFACE, EFL @ 1300'. MADE 3 RUNS, RECOVERED 15 BBLS - ALL WATER.

SFL @ 1300' FROM SURFACE, EFL @ 1300'. MADE 4 RUNS, RECOVERED 21 BBLS - ALL WATER.

~~CREW LUNCH. REVIEWED ISA'S. FLUID LEVEL CAME BACK UP TO 1000.~~

SFL @ 1000' FROM SURFACE, EFL @ 1300'. MADE 3 RUNS, RECOVERED 16 BBLS - ALL WATER.

SFL @ 1300' FROM SURFACE, EFL @ 1300'. MADE 3 RUNS, RECOVERED 17 BBLS - ALL WATER.

SFL @ 1300' FROM SURFACE, EFL @ 1300'. MADE 5 RUNS, RECOVERED 25 BBLS - ALL WATER. 131 OF 178 BBL FLUID RECOVERED. L/D LUBRICATOR. SECURED WELL AND SDFD.

~~CREW TRAVEL.~~

Report Start Date: 11/7/2013

Com

~~CREW TRAVEL.~~

~~CONDUCTED SAFETY MEETING. REVIEWED ISA'S, TENET #7, HAZARD #7. CONDUCTED HAZARD HUNT. CLEARED TRIPPING HAZARD AND REPLACED CUY WIRE. TALKED ABOUT RECENT INCIDENTS AROUND MCRIU AND STAYING FOCUSED ON IFC. DISCUSSED REWRITING ISA'S AND HAVING ISA MEETING WHEN SCOPE OF JOB IS CHANGED. DISCUSSED WELL CONTROL AND EACH PERSON'S RESPONSIBILITIES. DISCUSSED USE OF SWA AND IF YOU SEE IT, YOU OWN IT. DISCUSSED E-COLORS (BLUE/YELLOW). CALIPERED 2 7/8" ELEVATORS.~~

WELL ON SLIGHT VACUUM. RELEASED TREATING PACKER.

TOH AND L/D 183 JTS 2 7/8" L-80 WS AND TREATING PACKER. MOVED OUT WS.

~~CREW LUNCH. REVIEWED ISA'S. PERFORMED MYSRACE 360.~~

MOVED IN, RACKED AND TALLIED 179 JTS PROD TBG. P/U 174 JTS 2 7/8" J-55 6.5# EUE 8RD PRODUCTION TUBING.

TOH AND STOOD BACK 61 STANDS 2 7/8" J-55 PROD TBG. LEFT 50 JTS 2 7/8" J-55 KILL STRING @ 1622.85'. SHUT IN WELL, CREW DEBRIEF, AND SDFD.

~~CREW TRAVEL.~~

Report Start Date: 11/8/2013

Com

~~CREW TRAVEL.~~

~~CONDUCTED SAFETY MEETING. REVIEWED ISA'S, TENET #8, HAZARD #8. CONDUCTED HAZARD HUNT. SWA AND IFC. E-COLORS (GREEN/RED). DISCUSSIONS AND DRILLS. CALIPERED 2 7/8" ELEVATORS.~~

WELL ON VACUUM. TOH AND STOOD BACK 25 STANDS 2 7/8" J-55 PROD TUBING.



Summary Report

Major Rig Work Over (MRWO)

Return to Production

Job Start Date: 10/16/2013

Job End Date: 11/11/2013

Well Name VACUUM GLORIETA WEST UNIT 023		Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent	
Ground Elevation (ft) 4,004.00	Original RKB (ft) 4,016.00	Current RKB Elevation		Mud Line Elevation (ft)	Water Depth (ft)

Com

MOVE IN CENTRILIFT AND SPOOLER. P/U PRODUCTION BHA.

BHA:

DRAIN VALVE 0.6'
SUB 4'
SEAT NIPPLE 1.1'
4" PUMP 12.4' 44 STAGE FLEX 17.5
4" PUMP 16.05' 89 STAGE FLEX 17.5
4" PUMP 22' 125 STAGE FLEX 17.5
4" GAS SEP. 2.6'
5.38" SEAL 6.95'
5.38" SEAL 6.95'
5.62" MOTOR 12.45' 147HP
3.75" CENTINEL-3 4.1'

TOTAL 83.5'

TIH 165 JTS 2 7/8" J-55 6.5# EUE BRD PRODUCTION TUBING AND 5770' FLAT CABLE, W/ 3 BANDS PER JOINT.

~~CREW LUNCH. REVIEWED JSAS.~~

TIH 3 STANDS 2 7/8" TBG. P/U 4 JTS 2 7/8" TBG. INTAKE SETTING DEPTH @ +/- 5757'. BOTTOM OF EQUIPMENT @ 5787'.

INSTALLED TBG HANGER. R/D TBG FLOOR. N/D BOP. N/U MASTER VALVE AND FLOW T. SECURED WELL. DEBRIEFED CREW ON POSITIVES AND AREAS OF IMPROVEMENT FOR THE DAY. SDFD.

~~CREW TRAVEL.~~

Report Start Date: 11/11/2013

Com

~~CREW TRAVEL.~~

~~CONDUCTED SAFETY MEETING. REVIEWED JSAS. DISCUSSED TENET #4. HAZARD #1 - E-COLORS (YELLOW/RED). DISCUSSED HAZARDS ASSOCIATED W/ RIG MOVES. PERFORMED PRE-MOVE RIG INSPECTION.~~

~~HEAVY FOG. LOW VISIBILITY. WAITED ON VISIBILITY TO INCREASE.~~

~~RDMO PULLING UNIT AND EQUIPMENT. MOVED TO GVU 218.~~

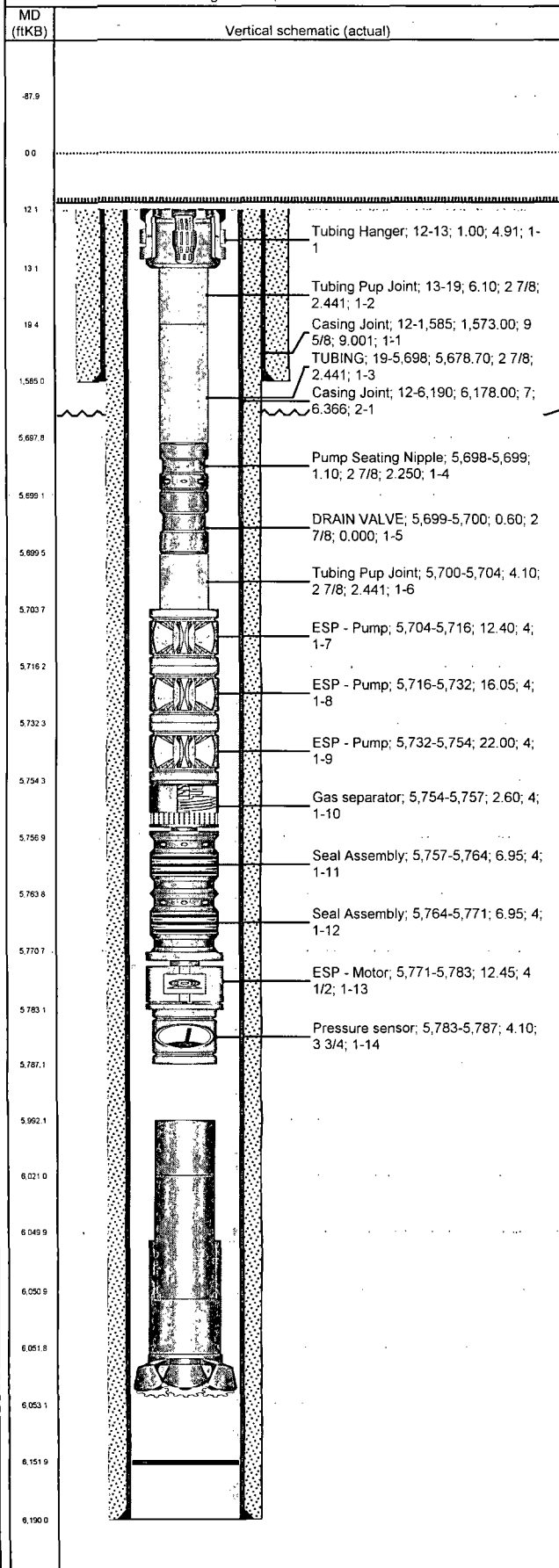
*****FINAL REPORT*****



Wellbore Schematic

Well Name VACUUM GLORIETA WEST UNIT 023	Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent
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Land - Original Hole, 6/16/2014 1:54:42 PM



Job Details

Job Category	Start Date	Release Date
Major Rig Work Over (MRWO)	10/16/2013	11/11/2013

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Surface	9 5/8	32.30	H-40		1,585
Production Casing	7	23.00	J-55		6,190

Tubing Strings

Tubing - Production set at 5,787.2ftKB on 11/8/2013 08:30

Tubing Description		Run Date		String Length (ft)		Set Depth (MD) (ftKB)	
Tubing - Production		11/8/2013		5,775.10		5,787.2	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)	
Tubing Hanger	1	4.906			1.00	13.1	
Tubing Pup Joint	1	2 7/8	6.50	J-55	6.10	19.2	
TUBING	175	2 7/8	6.50	J-55	5,678.70	5,697.9	
Pump Seating Nipple	1	2 7/8			1.10	5,699.0	
DRAIN VALVE	1	2 7/8			0.60	5,699.6	
Tubing Pup Joint	1	2 7/8	6.50	J-55	4.10	5,703.7	
ESP - Pump	1	4			12.40	5,716.1	
ESP - Pump	1	4			16.05	5,732.2	
ESP - Pump	1	4			22.00	5,754.2	
Gas separator	1	4			2.60	5,756.8	
Seal Assembly	1	4			6.95	5,763.7	
Seal Assembly	1	4			6.95	5,770.7	
ESP - Motor	14	4 1/2			12.45	5,783.1	
Pressure sensor	1	3 3/4			4.10	5,787.2	

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

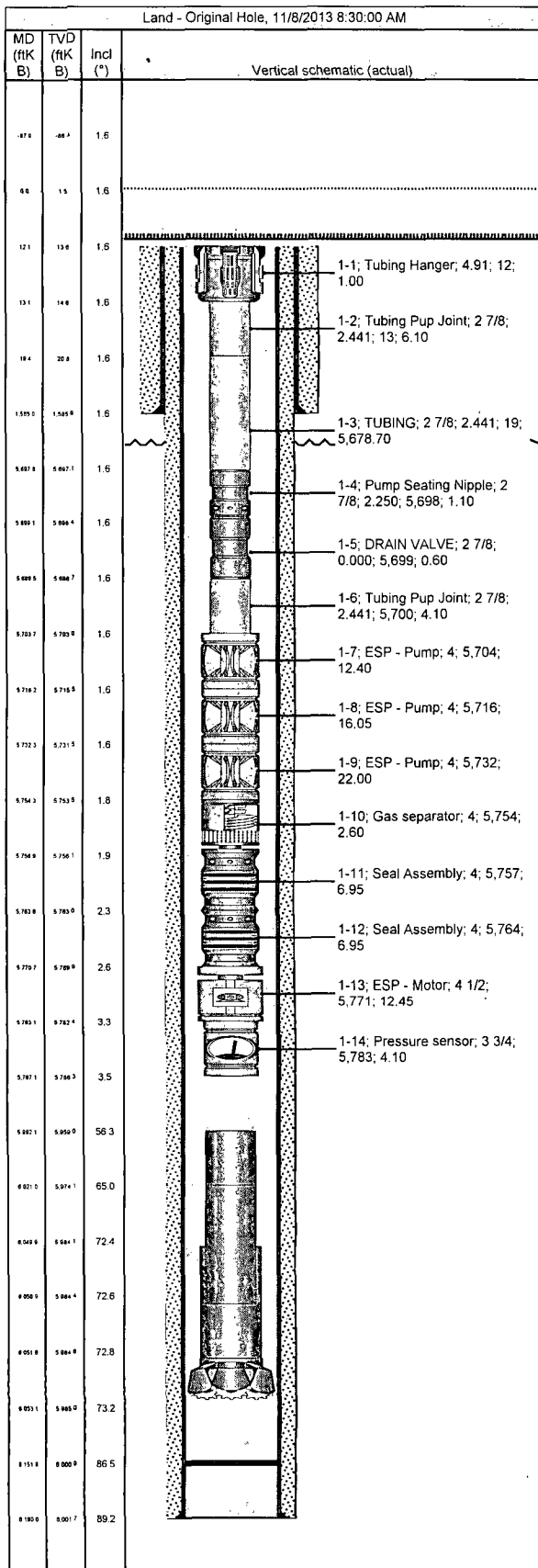
Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Fish (HWO)	5,992.0	6,021.0	10/25/2013		3.5" DRILL COLLAR (5992' MD INTO LATERAL SECTION)
Fish (HWO)	6,021.0	6,051.0	10/25/2013		3.5" DRILL COLLAR (6021' MD INTO LATERAL SECTION)
Fish (HWO)	6,050.0	6,052.0	10/25/2013		4.25" BIT SUB (6050' MD INTO LATERAL SECTION)
Fish (HWO)	6,052.0	6,053.0	10/25/2013		4.25" BIT (6052' MD INTO LATERAL SECTION)



Tubing Summary

Well Name VACUUM GLORIETA WEST UNIT 023	Lease Vacuum Glorieta West Unit	Field Name Vacuum	Business Unit Mid-Continent
Ground Elevation (ft) 4,004.00	Original RKB Elevation (ft) 4,016.00	Current RKB Elevation	Mud Line Elevation (ft) Water Depth (ft)
Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)



Tubing Strings										
Tubing Description Tubing - Production		Planned Run? N		Set Depth (MD) (ftKB) 5,787.2			Set Depth (TVD) (ftKB) 5,786.5			
Run Date 11/8/2013		Run Job Return to Production, 10/16/2013 05:30		Pull Date			Pull Job			
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Botm (ftKB)	
1	Tubing Hanger	4.906					1.00	12.1	13.1	
1	Tubing Pup Joint	2 7/8	2.441	6.50	J-55		6.10	13.1	19.2	
175	TUBING	2 7/8	2.441	6.50	J-55		5,678.70	19.2	5,697.9	
1	Pump Seating Nipple	2 7/8	2.250				1.10	5,697.9	5,699.0	
1	DRAIN VALVE	2 7/8	0.000				0.60	5,699.0	5,699.6	
1	Tubing Pup Joint	2 7/8	2.441	6.50	J-55		4.10	5,699.6	5,703.7	
1	ESP - Pump	4					12.40	5,703.7	5,716.1	
1	ESP - Pump	4					16.05	5,716.1	5,732.2	
1	ESP - Pump	4					22.00	5,732.2	5,754.2	
1	Gas separator	4					2.60	5,754.2	5,756.8	
1	Seal Assembly	4					6.95	5,756.8	5,763.7	
1	Seal Assembly	4					6.95	5,763.7	5,770.7	
14	ESP - Motor	4 1/2					12.45	5,770.7	5,783.1	
1	Pressure sensor	3 3/4					4.10	5,783.1	5,787.2	

Rod Strings			
Rod Description	Planned Run?	Set Depth (ftKB)	Set Depth (TVD) (ftKB)
Run Date	Run Job	Pull Date	Pull Job

Rod Components							
Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftKB)	Botm (ftKB)