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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-40470

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name
CENTRAL VACUUM UNIT

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

HOBBS OCD
AUG 10 2013
RECEIVED

8. Well Number 366

2. Name of Operator
CHEVRON U.S.A. INC..

9. OGRID Number 4323

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

10. Pool name or Wildcat
VACUUM GRAYBURG SAN ANDRES

4. Well Location
Unit Letter: H 1855 feet from the NORTH line and 855 feet from the EAST line
Section 36 Township 17S Range 34E NMPM County LEA

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

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

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

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 01/29/2013 THROUGH 02/13/2013

Spud Date: Rig Release Date:

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

SIGNATURE Denise Pinkerton TITLE: REGULATORY SPECIALIST DATE: 08/09/2013

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 SEP 09 2013

Conditions of Approval (if any):

SEP 09 2013

Summary Report

Completion
Complete
Job Start Date: 1/29/2013
Job End Date: 2/13/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 366	Central Vacuum Unit	Vacuum	Mid-Continent/Alaska

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,992.00	4,010.50	4,010.50, 12/23/2012		

Report Start Date: 1/29/2013
Com
road rig to well
hsm, discuss tenet #9, discuss hazard id wheel, discuss e-colors, review jsa's and sop's
set matting board spot rig offload reverse pump, tank, pipe racks, and pipe
sd high wind could not rig up
travel time
Report Start Date: 1/30/2013
Com
TRAVEL TIME
HSM, DISCUSS TENET 310, DISCUSS HAZARD ID WHEEL, DISCUSS E-COLORS, REVIEW JSA'S AND SOP'S CALIPER TBG. ELEVATORS AND DOCUMENT ON DAILY SHEET IN DOGHOUSE DISCUSSED INJURED MAN ON INCIDENTS THIS MONTH WITH CREW
RU
LOAD CSG.
ND WELL
NU BOP
TEST BOP 250#/500# OK BLED OFF
PU RETRIEVING HEAD AND 16 JTS. TBG. RIH TO 498' LATCH RBP
TEST PIPE RAMS 250#/500# OK BLED OFF
RELEASE RBP POOH AND L.D. TBG. RBP
NU FRAC VALVES
RIG DOWN
RU PETROPLEX LOAD SURFACE AND INTERM CSG WITH FW TO TEST CSG. AND FRAC VALVES TO 4000# HELD OK BLED OFF RD PETROPLEX SI NO COMMUNICATIONS BETWEEN SURF OR INTERM CSG ITH 4000# ON PROD CSG.
Report Start Date: 1/31/2013
Com
road rig to well
rig up
travel time
Report Start Date: 2/1/2013
Com
baker atlas could not make it out to log today set for sat
Report Start Date: 2/2/2013
Com
TRAVEL TIME
HSM, DISCUSS TENET #2, DISCUSS HAZARD ID WHEEL #2, DISCUSS E-COLORS #2, REVIEW JSA'S AND SOP'S
RUN RAL TAG 4890' RUN RAL FROM BOTTOM TO SURF W/ 1000# BLED OFF RUN REPEAT BOTTOM TO 1000' RD BAKER ATLAS
ND FRAC VALVES
NU BOP SDOW
TRAVEL TIME
Report Start Date: 2/4/2013
Com
travel time
hsm., discuss tenet #4, discuss hazard id wheel #4, discuss e-colors #4, review jsa's and sop's caliper tbg. elvators and document on sheet in dog house
off load hyro walk pipe racks and pipe
pu bit bha and tbg. rih w/ tbg. 4933' tag up
pu swivel brak circ drill soft cmt from 4933' to 4980' drilled thru float collar at 4985' down to 4990'
circ clean
pooh w/ tbg. l.d. bha sdon
travel time
Report Start Date: 2/5/2013
Com
CREW TRAVEL
JSA MEETING
RU PUMP TRUCK, PRESSURE TEST CSG TO 4000 PSI FOR 15 MIN, GOOD TEST.
SPOT LOGGING TRUCK, RU LOGGING EQUIPMENT, JSA MEETING W/ WIRELINE CREW.

Summary Report

Completion
Complete
Job Start Date: 1/29/2013
Job End Date: 2/13/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 366	Central Vacuum Unit	Vacuum	Mid-Continent/Alaska

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,992.00	4,010.50	4,010.50, 12/23/2012		

Com
PRESSURE TEST LUBRICATOR (500 PSI). RIH W/ PERF GUNS (3 3/8" PREDATOR GUNS W/ 2 JSPF @ 120 DEGREES PHASING, PERF CHARGE SPECS: 35 GRAM, .41" EHD, 47.56" ATP) 1ST RUN: PERF. FROM 4950' - 4970' (200 HOLES) ON FIRST RUN CORRELATE W/ GR AND CCL TO OPEN HOLE LOGS, GOOD CORRELATION (WILL ONLY USE CCL ON FOLLOWING RUNS FOR CORRELATION). 2ND RUN: PERFS FROM 4930' - 4950' 3RD RUN: PERFS FROM 4910' - 4930' 4TH RUN PERFS FROM 4890' - 4910' 5TH RUN: PERFS FROM 4872' - 4890'
RD WIRELINE EQUIPMENT
CALIPER ELEVATOR. PICK UP 5.5" RBP AND TIH W/ 2 7/8" WS, SET RBP @ 3508'. TEST RBP @ 500 PSI,
WELL SHUT IN AND SHUT DOWN. PREP TO PERFORM ACID JOB.
CREW TRAVEL.
Report Start Date: 2/6/2013

Com
CREW TRAVEL
JSA MEETING
OPEN UP WELL, WELL STATIC, CALIPER ELEVATOR. TOH W/ WS. PICK UP 5.5" RBP AND TIH TO SET PKR @ 500'+/-. TEST PKR TO 500 PSI. TOH.
ND BOP, NU 5M FRAC VALVE, THEN NU BOP ON TOP OF FRAC VALVE.
SPOT ACID TRUCK, MIX ACID. RU TREATING LINES, WAIT ON NU/ND CREW TO FINISH AT ANOTHER CVX JOB (CVU 258), TO COME AND FINISH NU AND TESTING FRAC VALVE.
FINISH NU FRAC VALVE, TEST FRAC VALVE TO 4000 PSI, GOOD TEST.
CREW LUNCH, REVIEW JSA'S
TIH W/ ON/OFF TOOL, RETRIEVE RBP'S @ 500' AND 3508'. TOH LD RBP'S. ND BOP.
FINISH RU ACID TREATING EQUIPMENT. JSA MEETING W/ ACID CREW. PRESSURE TEST LINES TO 4000 PSI. BEGIN ACID JOB: ESTABLISH INJ RATE W/ FW (16 BBLS) BREAK DOWN PRESSURE @ 2389 PSI. 1ST STG: PUMPED 47 BBLS OF ACID @ 2550 PSI & 8 BPM, AND DROP 16 BALLS EVERY 10 BBLS (TOTAL BALLS DROPPED IN STG: 78). PUMP 1500# OF ROCK SALT MIXED W/ 10# BW @ 8 BPM. HAD TO SHUT DOWN DURING BLOCK, BECAUSE GATE VALVE WAS LEAKING, REMOVE GATE VALVE AND ONLY LEAVE PETROPLEX GATE VALVE ON TOP OF FRAC VALVE. 2ND STG: PUMP 47 BBLS OF ACID @ 2560 PSI & 7.7 BPM AND DROP 16 BALLS EVERY 10 BBLS (PUMPED 78 BALLS). PUMP 1500# OF ROCK SALT W/ 10# BW @ 7.8 BPM.
3RD STG: PUMPED 47 BBLS OF ACID @ 2500 PSI & 7.7 BPM. DROPPED 78 BALLS TOTAL (16/10 BBLS OF ACID). DROPPED 2000# OF ROCK SALT W/ BW @ 7.7 BPM. AT THE END OF THE OF THE BLOCK WE SAW 500 PSI INCREASE (2500 - 3000). 4TH STG: PUMPED 47 BBLS OF ACID @ 2600 PSI @ 7.7 BPM. WHILE PUMPING ACID WE BALLED OUT W/ 190 BALLS ON FORMATION, PRESSURE INCREMENT 2400 - 3700 PSI (1300 PSI). SHUT DOWN PUMPS. WAIT FOR BALLS TO DROP. SURGE WELL 3 TIMES. FINISHED PUMPING ACID. THEN PUMPED 2000# OF ROCK SALT @ 8 BPM. AT THE END OF DROPPING THE BLOCK, WELL BALLED OUT AGAIN WITH 270 BALLS ON FORMATION 2450 - 3475 PSI (1025 PSI). SHUT DOWN PUMPS, WAIT 5 MIN, SURGE 3 TIMES, TRY TO PUMP, BUT PRESSURE STILL HIGH, SURGE AGAIN 3 TIMES, WAIT 10 MIN FOR BALLS TO DROP. ESTABLISH INJ RATE W/ FW. THEN CONTINUE PUMPING REST OF ACID, 50 BBLS. BEGIN TO PUMP FLUSH W/ FW. AFTER 20 BBLS, WELL PRESSURE ROSE 2400 - 3400 PSI, SHUT DOWN PUMPS. SURGE 4 TIMES. ATTEMPT TO BRING RATE BACK UP, PRESSURE ROSE UP PRETTY QUICK. CONTINUE TO WORK PRESSURE AND RATE. PUMPED @ .3 BPM FOR ABOUT 1 HR, UNTIL FORMATION BROKE DOWN AND RATE WAS ABLE TO COME BACK UP. PUMPED 119 BBLS OF FW FLUSH TO BTM PERFS @ 4970'. ISIP:2294 PSI 5: 1953 PSI 10: 1720 PSI 15: 1603 PSI MAX RATE: 8 BPM AVG RATE: 7 BPM MAX PSI: 3800 PSI AVG PSI: 2500 PSI TOTAL ACID PUMPED 238 BBLS. TOTAL ROCK SALT PUMPED 7000#, TOTAL FLUID PUMPED: 516.7 BBLS.
RD ACID EQUIPMENT.
SHUT IN WELL OVERNIGHT. PREP TO CLEAN OUT ROCK SALT.
CREW TRAVEL
Report Start Date: 2/7/2013

Com
CREW TRAVEL
JSA MEETING

Summary Report

Completion
Complete
Job Start Date: 1/29/2013
Job End Date: 2/13/2013

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 366	Central Vacuum Unit	Vacuum	Mid-Continent/Alaska

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,992.00	4,010.50	4,010.50, 12/23/2012		

Com
CALIPER ELEVATOR. RU FLOWBACK MANIFOLD, OPEN UP WELL 160 PSI. FLOWED BACK 5 - 6 BBLS OF FW. WELL PRESSURE AT 0 PSI, WELL STATIC.
WAIT ON WIND TO DIE DOWN A BIT BEFORE TIH TO CLEAN OUT ROCK SALT. HAD A SAFETY STAND DOWN W/ CREW. DISCUSS NEW IMPLEMENTATION OF IMPROVING JSA QUALITY.
TIH W/ 2 7/8" WS. TAG ROCK SALT @ 4937'. PICK UP POWER SWIVEL.
CREW LUNCH REVIEW JSA'S
ESTABLISH CIRC. W/ FW. CLEAN OUT ROCK SALT FROM 4937' - 4990' (PBTD). CIRCULATE BALL SEALERS OUT THE HOLE. HAD SOME TROUBLE W/ BALL PLUGGING OFF RETURN LINE TO THE REVERSE PIT, WORK PIPE AND SURGE LINE. CIRCULATE HOLE CLEAN W/ FW.
TOH W/ WS. LEAVE 832' OF KILL STRING IN WELL.
WELL SHUT IN AND SHUT DOWN.
CREW TRAVEL
Report Start Date: 2/8/2013
Com
CREW TRAVEL
JSA MEETING
CALIPER ELVATOR, OPEN UP WELL, WELL STATIC, TOH LD 23 JTS OF KS.
SCHLUMBERGER WIRELINE CREW ARRIVED ON LOCATION AND 3 CREW MEMBER DID NOT HAVE THEIR SAFELAND TRAINING CARD, ONLY THE TOOL SPECIALIST HAD IT. CONTACT MANAGER TO SEE IF WE COULD HAVE ANOTHER CREW COME OUT TO RUN THE LOG. WAITED 2+HRS, BUT THEY COULD NOT FIND ANY ONE TO COME OUT TODAY OR ON SATURDAY. FINALLY GOT A CONFIRMED CALL FROM SLB THAT THEY WILL HAVE A CREW FROM COLORADO COME OUT ON MONDAY AND RUN THE LOG, THE CREW HAS ALL THERE SAFE LAND AND PROPER H2S TRAINING.
TIH W/ WS AND SET 2 RBP'S.
CREW LUNCH AND REVIEW JSA'S
ND BOP AND FRAC VLAVE. NU BOP.
TIH AND RETRIEVE RBP'S.
TIH AND THEN TOH BEGIN LD WS. LEAVE 840' OF KS.
WELL SHUT IN AND SHUT DOWN.
CREW TRAVEL
Report Start Date: 2/11/2013
Com
CREW TRAVEL
JSA MEETING
OPEN UP WELL, O PSI. TOH LD KS. SPOT WIRELINE TRUCKS
JSA MEETING W/ WIRELINE CREW. RU PUMPING LINES & WIRELINE EQUIPMENT (LUBRICATOR, WR BOP)
TEST PUMPING LINES TO 3800 PSI. TEST LUBRICATOR TO 3800 PSI. PICK UP GAUGE RING (4.65") RIH AND DO A GAUGE RUN (NO OBSTRUCTIONS) TAGGED UP @ 4984' WR DEPTH
MAKE UP PLT. PICK UP TOOL AND RIH TO 4700'. STOP AND ESTABLISH A BHP W/ TOOL. FLUID LEVEL @ 3132'. PERFORM LOG PASSED W/ WELL SHUT IN. LOGGED INTERVAL 4700' TO 4977' 1ST RUN: LOGGED DOWN @ 67 FT/MIN. LOGGED UP @ 30 FT/MIN 2ND RUN: LOGGED DOWN @ 103 FT/MIN, LOGGED UP @ 60 FT/MIN 3RD: LOGGED DOWN @ 85 FT/MIN, LOGGED UP @ 90 FT/MIN 4TH: LOGGED DOWN @ 53 FT/MIN, LOGGED UP @ 110 FT/MIN @ 4700' LET TOOL RECORD PRESSURE UNTIL WE GOT A STABILIZED BHP @ 1985 PSI. PERFORM SAFETY STAND DOWN, WHILE LOGGING, W/ RIG CREW. DISCUSSED DERRICK FALL PRESENTATION AND PERFORMED A HAZARD HUNT, FOUND 9 HAZARDS, AT THE DEBRIEFING DISCUSS METHODS TO MITIGATE THE HAZARDS FOUND.
OPEN UP WELL AND BEGIN INJ RATE W/ FW @ 1 BPM. WAITED FOR PRESSURE TO STABILIZED, BUT PRESSURE CONTINUE TO RISE FOR ABOUT 1.5 HRS. BEGIN LOGGING PASSES W/ INJ RATE. 1ST RUN: LOGGED DOWN @ 90 FT/MIN AND LOGGED UP @ 40 FT/MIN. FROM THIS RUN, IT WAS SEEN THAT THERE WAS GOOD/CONSTANT FLUID BEING INJ @ 4872'-4950'. THE LAST 20' OF PERFS NO REAL FLUID WAS GOING INTO THE PERFS. THE BOTTOM 20' CORRELATES TO THE GR SHOWING THAT THIS PART IS A SHALE STREAK (FORMATION A BIT TIGHTER) GOOD FLUID INJ IS A GOOD INDICATION OF THE VERY SUCCESSFUL ACID JOB DONE ON THIS WELL, PRIOR TO THE LOGGING 2ND: LOGGED DOWN @ 110 FT/MIN AND UP @ 60 FT/MIN. PRESSURE AFTER RUN @ 2803 PSI. 3RD. LOGGED DOWN @ 130 FT/MIN AND UP @ 80 FT/MIN. PRESSURE AFTER @ 2835 PSI. ON THIS RUN THE LOGS DATE INTERPRETATION, SHOWED A DIFFERENCE BETWEEN THE DOWN AND UP PASS, THE DATA WAS MORE UNCLEAR, POSSIBLY DUE TO HIGH LOGGING SPEEDS. 4TH: LOGGED DOWN @ 100 FT/MIN AND UP @ 50 FT/MIN. SAW SOME MINOR DIFFERENCES IN THE PASSES. PRESSURE @ 2894 PSI. 5TH: LOGGED DOWN AND UP @ 70 FT/MIN. PRESSURE @ 2928 PSI. LOG RESPONSE MUCH CLEARLY SEEN. GOOD INJ INTO FORMATION @ 4872' TO 4935'. BOTTOM PERFS THAT SHOWED NO INJ INTO, CORRELATE TO THE SHALE STREAK IN THE GR LOG. COME UP TO 4700' CONTINUE PUMPING AND MONITOR PRESSURE FOR 10 MIN.
SHUT OFF PUMP AND SHUT IN WELL. PUMPED A TOTAL OF141.5 BBLS OF FW, WITH MAX PRESSURE SEEN ON SURFACE @ 850 PSI AND 1 BPM THE WHOLE TIME. MONITOR PRESSURE FALL OFF. ISIP @ 2928 PSI. PRESSURE DROPPED TO 2262 PSI. MADE ONE LAST LOGGING RUN TO GET SOME WARMBACK DATA, WHICH WILL BE USE TO DETERMINE WELLBORE STORAGE.

Summary Report

Completion
Complete
Job Start Date: 1/29/2013
Job End Date: 2/13/2013

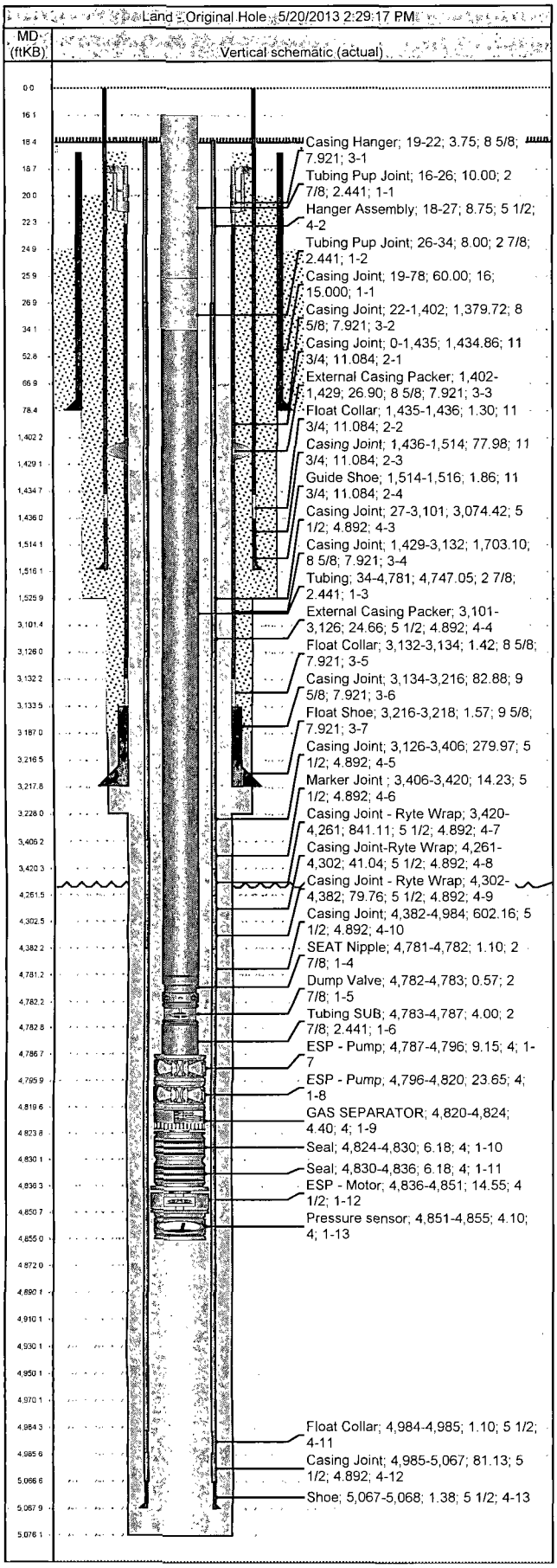
Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 366	Central Vacuum Unit	Vacuum	Mid-Continent/Alaska

Ground Elevation (ft)	Original RKB (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,992.00	4,010.50	4,010.50, 12/23/2012		

Com
RD WIRELINE AND PUMP TRUCK & PROCESS DATA.
WELL SHUT IN AND SHUT DOWN. PREP TO TIH W/ ESP
CREW TRAVEL
Report Start Date: 2/12/2013
Com
CREW TRAVEL
JSA MEETING
OPEN UP WELL, O PSI ON WELL
SPOT SPOOLER, AND ESP HOT SHOT. NU ANNULAR 5K BOP. PICK UP 1 JT AND TEST RAMS. GOOD TEST.
RU SPOOLER, MAKE UP ESP AND PREP BEFORE PICKING UP. PERFORM JSA MEETING. DISCUSSED POSSIBILITY OF HIGH WIND ADVISORY. AFTER DISCUSSION W/ COMPLETION ENG. IT WAS DECIDED TO RUN ESP TOMORROW, DUE TO HIGH WIND AND THAT WAY NOT HAVING TO CUT THE CABLE, IN THE CASE THAT WE NEEDED TO SHUT DOWN DUE TO HIGH WINDS.
TIH PICKING UP 2 7/8" PROD TBG.
CREW LUNCH
SAFETY STAND DOWN. DISCUSS W/ CREW OSHA PRESENTATION ON LOAD LINE FAILURE.
BEGIN TOH, RACK BACK 10 STANDS, WIND PICKED UP, SHUT DOWN AND WAIT FOR WIND TO DIE DOWN.
CONTINUE TOH RACKING BACK PROD TBG. LEFT 800' OF KS IN HOLE.
WELL SHUT IN AND SHUT DOWN, PREP TO RUN ESP.
CREW TRAVEL
Report Start Date: 2/13/2013
Com
CREW TRAVEL
JSA MEETING
OPEN UP WELL, 0 PSI ON WELL. CALIPER ELEVATOR. TOH RACK BACK KS.
SPOT EQUIPMENT (SPOOLER), JSA MEETING W/ CENTRILIFT AND SPOOLER. RU SPOOLER. PICK UP AND MAKE UP ESP ON RIG FLOOR.
BEGIN TIH W/ ESP. TBG ASSEMBLY AS FOLLOWS: CORRECTION KB: 16' 2 - 2 7/8" PUP JTS: 18' 148 - 2 7/8" J-55 JTS: 4747.05' 1 - SEAT NIPPLE: 1.1' 1 - DRAIN VALVE: .57' 1 - 2 7/8" PUP JT: 4' 2 - 4" PUMPS: 32.8' 2 - 4" SEALS: 12.36' 1 - 4.5" MOTOR: 14.55' 1 - 4" PRESSURE SENSOR: 4.1' TOTAL: 4854.93' (MD), 4850.8' (TVD)
CREW LUNCH
PICK UP QCI LANDING DOUNUT, CUT AND SPLICE CABLE. LAND ESP IN TBG HEAD. ND BOP. TEST ESP, GOOD TEST.
CHANGE OUT TBG LINE
RD PU. PREP TO DO MAINTENANCE ON SCOPING CYLINDER AND POSSIBLY MOVE TO NEW LOCATION.
CREW TRAVEL

Wellbore Schematic

Well Name	Lease	Field Name	Business Unit
CENTRAL VACUUM UNIT 366	Central Vacuum Unit	Vacuum	Mid-Continent/Alaska



Job Details

Job Category	Start Date	Release Date
Completion	1/29/2013	1/30/2013
Completion	1/31/2013	2/13/2013

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)
Conductor	16	84.00	J-55		79
Surface	11 3/4	42.00	H-40		1,516
Intermediate Casing 1	8 5/8	32.00	J-55		3,218
Production Casing	5 1/2	17.00	J-55	LT&C	5,068

Tubing Strings

Tubing - Production set at 4,854.9ftKB on 2/13/2013 11:15

Tubing Description	Run Date	String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production	2/13/2013	4,838.93	4,854.9

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing Pup Joint	1	2 7/8	6.50	J-55	10.00	26.0
Tubing Pup Joint	1	2 7/8	6.50	J-55	8.00	34.0
Tubing	148	2 7/8	6.50	J-55	4,747.05	4,781.1
SEAT Nipple	1	2 7/8			1.10	4,782.2
Dump Valve	1	2 7/8			0.57	4,782.7
Tubing SUB	1	2 7/8	6.50	J-55	4.00	4,786.7
ESP - Pump	1	4			9.15	4,795.9
ESP - Pump	1	4			23.65	4,819.5
GAS SEPARATOR	1	4			4.40	4,823.9
Seal	1	4			6.18	4,830.1
Seal	1	4			6.18	4,836.3
ESP - Motor	1	4 1/2			14.55	4,850.8
Pressure sensor	1	4			4.10	4,854.9

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
2/5/2013	4,872.0	4,890.0	2.0	36	
2/5/2013	4,890.0	4,910.0	2.0	40	
2/5/2013	4,910.0	4,930.0	2.0	40	
2/5/2013	4,930.0	4,950.0	2.0	40	
2/5/2013	4,950.0	4,970.0	2.0	40	

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

Report Printed: 5/20/2013