

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM0405444A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
ALDABRA 25 FEDERAL COM 2H

2. Name of Operator

DEVON ENERGY PRODUCTION CO-EMail: trina.couch@devn.com

Contact: TRINA C COUCH

9. API Well No.
30-015-38613-00-X1

3a. Address

333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-228-7203

10. Field and Pool, or Exploratory
JENNINGS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T23S R31E SWSW 200FSL 685FWL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Change to Original A
PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, L.P. respectfully requests approval to complete the Aldabra 25 Federal 2H well. We would like to continue completing this well and will monitor the 9 5/8" x 13 3/8" annulus and 5 1/2" x 9 5/8" annulus during the stimulation. Maximum allowable surface treating pressure during the job will be 8500 psi which is just under 80% of the burst rating of the casing. After the stimulation we would like to drill out the frac plugs, flow the well if needed to get the pressure down. We will then perform a witnessed pressure test on both annuli. Based on the results of those test and the CBL's provided to the BLM, we will propose and complete remedial action that is approved by the BLM.

Accepted for record
NMOCDC 707
8-1-14NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 31 2014

RECEIVED

Please see the following attachments:

All well pressure test on the annuli shall be charted and submitted to the BLM under a Sundry Subsequent Report

Electronic Submission #251903 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER MASON on 07/30/2014 (14JAM0358SE)

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/07/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #251903 that would not fit on the form

32. Additional remarks, continued

- * Details for Intermediate and Production Casing
- * Daily Reports (Daily Drilling Batch without Cost)
- * Wellbore Diagram

Thank you

Details for the Intermediate and Production Casing

On the intermediate casing, we set our pipe at 8324' and pumped our 1st stage cement job without returns. We then set our 1st ECP and opened the bottom DV tool at 5270' and able to establish returns. We circulated 4 hrs off the DV tool and then pumped our second stage cement job with good returns throughout the job. We then closed the bottom DV tool, set our top ECP and opened the top DV tool at 4510' MD (we found out later that our casing tally was off and this depth was off). We circulated off of the 2nd DV tool and returned 60 bbls of cement off the top of the tool. We then circulated 4 hrs and dropped the bomb to close the top DV tool. The plug appeared to be landed and we pressured up to 1807 psi and bled back 2 bbls. After this, we still had a pencil size stream up casing, so we pressured back up to 2750 psi. Pressure held with no flow up the casing. We then rigged up for our 3rd stage braden head cement job and attempted to establish injection rates. While establishing our pump rates, we got up to 2 BPM w/ 2700 psi when we began to take returns from inside the 9-5/8" casing. We shut down and did not have flow. We rigged back up onto the 9-5/8" casing and able to establish circulation @ 3 BPM with 3000 psi. At this point we figured that our DV tool did not close all the way. We then set our slips and cut off our 9-5/8" casing. We installed our wellhead and BOPE and tested the wellhead. We did this testing 21 hrs since we first pumped our 1st stage cement job. We wanted to test this because at the time, we believed we still had 50' of open hole below the 13-3/8" shoe set at 4460' MD. We then TIH to drill out the DV tool to test our casing and see where our leak is coming from in the 9-5/8" casing. While TIH, we tagged up at 4416' on the DV tool, putting our DV tool 44' inside the 13-3/8" casing shoe, which is set at 4460' MD. This means the bottom of our packer is @ 4445' and is 15' inside our 13-3/8" casing shoe. We proceeded to P/U a RTTS and set above our DV tool at 4390' MD. We pressured up to 1000psi and held for 10 minutes. We released the packer and set it again at 4475' MD below the DV tool. We then began to pump on it through drill pipe and able to establish an injection rate @ 5 BPM w/ 80 psi. At this point we firmly believed it was the DV tool that was open and the source of our communication f/ the backside of the 9-5/8". We then came out of the hole, rigged up our cementers and pumped cement. We circulated 100 bbls of cement back to surface and left approximately 200 ft of cmt in the 9-5/8" to ensure we get the DV tool ports cemented up. Ran a bond log on the 9 5/8" casing job which is on file with the BLM.

Since a dv tool did not close on the intermediate cement job we said we would bring the top of cement to 4000' on the production casing string job which was approved by the BLM. According to the CBL for the production casing, free pipe amplitude appears to be around 80mv and around 2604' it drops to about 50mv. It varies between around 40 – 60mv down to a about 5400' when the amplitude starts declining. We went ahead and pressure tested the 5 1/2" x 9 5/8" annulus to 500 psi and lost about 20 psi over 30 minutes. The bottom of the 9 5/8" intermediate is 8,324'. The lead slurry on this well is an 11.9 ppg Versacem cement blend. It reaches a compressive strength of around 380 psi. I believe we have varying qualities of cement to 2604' and a change of the quality of cement at around 5400' and we appear to have isolation from the open hole annulus below the 9 5/8" casing. "



ALDABRA 25 FEDERAL 2H

WEST UNRESTRICTED

OH

Daily Drilling Batch Without Cost

Rpt #: 24 Date: 6/2/2014 06:00

District DELAWARE BASIN		Project Group DELAWARE BASIN REG		Field Name INGLE WELLS		County EDDY		State/Province NM	
Surface Legal Location SEC25 T23S R31E		AP/WUM 3001538613		Latitude (°) 32° 16' 7.914" N		Longitude (°) 103° 44' 16.294" W		Ground Elev. (ft) 3,484.70	
KB - GL (ft) 28.00		Orig KB Elev (ft) 3,512.70		Tubing Head Elevation (ft)					
Jobs									
Job Category DRILLING/COMPLETIONS		Primary Job Type DEVELOPMENT		Original Drig Spud Date 5/11/2014 18:00		Target Formation BONE SPRING 2ND		Safety Incidents	
Current Well Status COMPLETION - WAITING COMPLETION UNIT		WBS Number 98-03763.01;98-03763.02;98-03763.03;98-03763.04		Auth MD (ftKB) 13,707.0		Original Drig Rig Release Date 6/19/2014 18:00		DFS (days) 21.50	
Safety		Days LTI (days) 280.00		Days RI (days) 280.00		# Safe/Stop 12		Head Count 38	
Pers Tot Hrs (hr) 558		Cum Pers Hrs (hr) 7,721							
Rigs									
Contractor, Rig Name CACTUS DRILLING COMPANY		Rig Number 105		Rig Pick Up 5/9/2014 06:00		Safety Check Summary			
NPT Analysis to Date		Type		Last Date		Next (days)			
Time Log Hrs (hr) 24.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 1,048.00		Cum Job NPT (%) 156.25	
Cum Job NPT (%) 14.91									
Daily Operations									
Report Start Date 6/1/2014 06:00		Drilled Last 24 Hours (ft) 0.00		End Depth (ftKB) 8,324.0		Avg ROP (ft/hr)		Drilling Hours (hr)	
Circulating Hours (hr)									
Status at 6 AM RIG UP TO PERFORM BRADEN HEAD CEMENT JOB									
24 Hour Forecast PUMP 3RD STAGE BRADEN HEAD CEMENT JOB. FLUSH BOP AND NIPPLE DOWN, SET SLIPS, WOC. CUT OFF, NIPPLE UP C-SECTION, NIPPLE UP BOP, WOC.									
24 Hour Summary RUN 72 JOINTS OF 9 5/8" CASING, TOTAL JOINTS 190. CIRCULATE 1.5 CASING CAPACITY THRU HALLIBURTON CEMENT HEAD. PUMP 3 STAGE CEMENT JOB.									
Geological Activity at Report Time									
1ST BONE SPRING LIME @ 8,270'		Last Casing String INTERMEDIATE 2, 8,324.0ftKB		Next Casing OD (in) 9.625		Next Cgs Depth (ftKB) 8,350		Daily Contacts	
Mud Check: 6/1/2014 11:45 @ 8,324.0 ftKB Source: SUCTION									
Depth (ftKB) 8,324.0		Density (lb/gal) 8.39		T Flowline (°F) 82.0		pH 7.50		Gel (10s) (lb/100ft) 1	
Gel (10m) (lb/100...) 1		Gel (30m) (lb/100...) 1		Gel (60m) (lb/100...) 1		Gel (90m) (lb/100...) 1		Gel (120m) (lb/100...) 1	
PV Calc (cP) 1.0		YP Calc (lb/100ft) 1		Vis Spinn 1		Filtrate (mL/30min) 1		FC (1/32") 1	
HTHP WL (mL/30...) 1		HTHP FC (1/32") 1		Mud Lost (Hole) (ft) 1					
LGS (%) 0.3		HGS (%) 0.3		Electric Stab (V) 0		MBT 0.0		Mf (mL/mL) 0.3	
Pm (mL/mL) 0.0		Cum Mud Lost to Hole (bbl) 0.0							
Chlorides (mg/L) 2,600		LCM 0/100		Oil Water Ratio 0/100		Max Background Gas 0		Max Connection Gas 0	
Max Trip Gas 0		Max Drill Gas 0							
Time Log									
Start Time		End Time		Dur (hr)		Operation		Description	
06:00		09:30		3.50		CSG		CONTINUE RUNING 9 5/8" CASING.	
09:30		10:30		1.00		CSG		RIG DOWN CRT AND SERVICE LOOP.	
10:30		12:00		1.50		CIRC		PULL CEMENT HEAD TO RIG FLOOR CHECK TO MAKE SURE HEAD NOT LOADED WITH PLUG BY DEVON REP. INSTALL CEMENT HEAD ON CASING AND PUMP DOWN CASING @ 348 GPM. RIG UP ELEVATOR BAILS AND ELEVATORS.	
12:00		13:00		1.00		SAFETY		RIG UP HALLIBURTON CEMENT IRON / SAFETY MEETING WITH HALLIBURTON, CACTUS, BLACKHAWK AND DEVON.	
13:00		16:30		3.50		CMTPRI		CEMENT 1ST STAGE AS FOLLOWS: PUMP 2 BBLs. TEST LINES TO 5000 PSI. PUMP 20 BBLs. FRESH WATER W/ RED DYE. PUMP LEAD SLURRY 760 SACKS - 285 BBLs. 12 PPG. YIELD 2.105, MIX WATER 11.94 GAL/SACK. VARICEM, 0.20% HR-800, 0.25 LBM D-AIR 5000, 5% POTASSIUM CHLORIDE, 0.50% LAP-1, 2% BENTONITE, 0.1250 LBM POLY-E-FLAKE. TAIL SLURRY 210 SACKS = 46 BBLs. 14.4 PPG. YIELD 1.242, MIX WATER 5.8 GAL/SACK. VERSACEM H. DROP 1ST PLUG AND PUMP 616 BBLs. FRESH WATER DISPLACEMENT AT 8 BPM. SLOW DOWN TO 4 BPM AT 170 TO 180 BBLs. IN FOR PLUG TO PASS THRU TOP DV-ECP AND AT 220 TO 230 BBLs. TO PASS THRU BOTTOM DV-ECP. CAUGHT CEMENT 440 IN. SLOWED RATE TO 4 BPM LAST 20 BBLs. PRESSURE BEFORE PLUG BUMPED 750 PSI. FINAL 1300 PSI. INFLATE PACKER, CHECK FLOATS - HELD, BLEED BACK 3 BBLs. DROP BOMB - FALL TIME 26 MINS. PUMP 1.5 BPM, PRESSURED UP 423 PSI. OPENED DV TOOL.	
16:30		20:30		4.00		CIRC		CIRCULATE WITH HALLIBURTON PUMP TRUCK WITH FULL CIRCULATION RETURNS / SHUT DOWN AND SWAP OVER TO RIG PUMP. CIRCULATE THROUGH DV TOOL (DID NOT HAVE ANY CEMENT CIRCULATED TO SURFACE).	
20:30		22:30		2.00		CMTPRI		CEMENT 2ND STAGE AS FOLLOWS: PUMP 2 BBLs. TEST LINES TO 5000 PSI. PUMP 20 BBLs. FRESH WATER W/ RED DYE. PUMP LEAD SLURRY 220 SACKS - 83 BBLs. 12 PPG. YIELD 2.105, MIX WATER 11.81 GAL/SACK. VARICEM, 0.20% HR-800, 0.25 LBM D-AIR 5000, 5% POTASSIUM CHLORIDE, 0.50% LAP-1, 2% BENTONITE, 0.1250 LBM POLY-E-FLAKE. TAIL SLURRY 265 SACKS = 59 BBLs. 14.4 PPG. YIELD 1.242, MIX WATER 5.77 GAL/SACK. VERSACEM H. DROP 2ND PLUG AND PUMP 392 BBLs. FRESH WATER DISPLACEMENT AT 8 BPM. CAUGHT CEMENT 320 IN. SLOWED RATE TO 4 BPM LAST 20 BBLs. PRESSURE BEFORE PLUG BUMPED 700 PSI. FINAL 1800 PSI. CLOSE BOTTOM DV TOOL, PUMP 1.5 BPM TO INFLATE TOP PACKER, SET AT 2,950 PSI. CHECK FLOATS - HELD, BLEED BACK 4 BBLs. DROP BOMB - FALL TIME 24 MINS. PUMP 1.5 BPM, PRESSURED UP 483 PSI. OPENED TOP DV TOOL.	
22:30		02:30		4.00		CIRC		CIRCULATE WITH HALLIBURTON PUMP TRUCK WITH FULL CIRCULATION RETURNS / SHUT DOWN AND SWAP OVER TO RIG PUMP. CIRCULATE THROUGH DV TOOL (CIRCULATED 60 BBLs. = 158 SACKS CEMENT TO SURFACE).	
02:30		03:30		1.00		CMTPRI		TEST LINES, DROP CLOSING PLUG. PUMP DOWN AT 8 BPM. SLOW TO 4 BPM LAST 15 BBLs. PRESSURE BEFORE PLUG LANDED 156 PSI. FINAL CLOSING PRESSURE 1807 PSI. BLEED BACK 2 BBLs. STILL HAD A SMALL PENCIL SIZE STREAM. PRESSURED BACK UP TO 2750 PSI. PRESSURE HELD, BLEED PRESSURE OFF. NO FLOW BACK.	
03:30		04:00		0.50		CMTPRI		SAFETY MEETING WITH HALLIBURTON, CACTUS AND DEVON.	



Daily Drilling Batch Without Cost

Rpt #: 24 Date: 6/2/2014 06:00

District DELAWARE BASIN	Project Group DELAWARE BASIN REG	Field Name INGLE WELLS	County EDDY	State/Province NM
Surface Legal Location SEC25 T23S R31E	API/UVI 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev... 3,484.70
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,512.70
				Tubing Head Elevation (ft)

Time Log

Start Time	End Time	Dur (hr)	Operation	Description	NPT
04:00	06:00	2.00	CMPRI	SWAP OVER TO PERFORM BRADEN HEAD CEMENT JOB.	

NPT Details

NPT	NPT Type	NPT Sub-Type	Accountable Party	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)
SVC	CASING OPS	CSG EQUIPMENT	BLACKHAWK OILFIELD SVCS INC	40.00	8,324.0	8,324.0

Bulk Supply Amounts

Supply Item Des	Unit Label	Received	Used	Cum Used	Cum On Loc
DIESEL FUEL	GAL US	0.0	831.0	28,536.0	11,618.0
WATER	BBL	5,200.0	5,200.0	51,980.0	0.0

Survey Data

MD (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)
6,400.00	0.58	188.74	6,398.85	-8.41	-9.29	20.09	0.15	-0.15
6,500.00	0.42	196.28	6,498.84	-9.27	-10.14	19.91	0.17	-0.16
6,600.00	0.24	191.47	6,598.84	-9.83	-10.70	19.76	0.18	-0.18
6,700.00	0.39	174.47	6,698.84	-10.37	-11.24	19.75	0.18	-0.15
6,800.00	0.54	173.76	6,798.84	-11.18	-12.05	19.84	0.15	0.15
6,900.00	0.60	179.54	6,898.83	-12.16	-13.04	19.89	0.08	0.06
7,000.00	0.72	165.18	6,998.83	-13.29	-14.17	20.06	0.20	0.12
7,100.00	0.53	162.45	7,098.82	-14.32	-15.22	20.36	0.19	-0.19
7,200.00	0.44	165.26	7,198.82	-15.12	-16.03	20.59	0.09	-0.09
7,300.00	0.48	157.16	7,298.81	-15.85	-16.77	20.85	0.07	0.02
7,400.00	0.25	150.13	7,398.81	-16.40	-17.33	21.11	0.21	-0.21
7,500.00	0.45	151.28	7,498.81	-16.92	-17.87	21.41	0.20	0.20
7,600.00	0.83	137.94	7,598.80	-17.77	-18.75	22.08	0.41	0.38
7,700.00	0.76	146.14	7,698.79	-18.82	-19.84	22.94	0.13	-0.07
7,800.00	0.85	160.38	7,798.78	-20.04	-21.09	23.56	0.22	0.09
7,900.00	0.82	164.31	7,898.77	-21.41	-22.47	24.00	0.06	-0.03
8,000.00	0.93	155.55	7,998.76	-22.81	-23.90	24.53	0.17	0.11
8,100.00	1.08	159.74	8,098.75	-24.41	-25.52	25.19	0.17	0.15
8,200.00	1.02	167.44	8,198.73	-26.13	-27.28	25.71	0.15	-0.06
8,300.00	0.90	179.19	8,298.71	-27.78	-28.93	25.92	0.23	-0.12

ALDABRA 25 FEDERAL 2H										WEST UNRESTRICTED			
devon										OH			
Daily Drilling Batch Without Cost										Rpt #: 25 Date: 6/3/2014 06:00			
District DELAWARE BASIN		Project Group DELAWARE BASIN REG		Field Name INGLE WELLS		County EDDY		State/Province NM					
Surface Legal Location SEC25 T23S R31E		API/UMI 3001538613		Latitude (°) 32° 16' 7.914" N		Longitude (°) 103° 44' 16.294" W		Ground Elev... 3,484.70		KB - GL (ft) 28.00		Orig KB Elev (ft) 3,512.70	
Tubing Head Elevation (ft)													
Jobs													
Job Category DRILLING/COMPLETIONS		Primary Job Type DEVELOPMENT		Original Drig Spud Date 5/11/2014 18:00		Target Formation BONE SPRING 2ND		Date 6/3/2014		Type NONE		Rpt Filed? No	
Current Well Status COMPLETION - WAITING COMPLETION UNIT		WBS Number 98-03763.01;98-03763.02;98-03763.03;98-03763.04		Auth MD (ftKB) 13,707.0		Original Drig Rig Release Date 6/19/2014 18:00		DFS (days) 22.50		Safety Incidents			
										Days LTI (days) 281.00		Days RI (days) 281.00	
										# Safe/Stop 12			
										Head Count 37		Pers Tot Hrs (hr) 343	
										Cum Pers Hrs (hr) 8,064			
Rigs													
Contractor, Rig Name CACTUS DRILLING COMPANY		Rig Number 105		Rig Pick Up 5/9/2014 06:00		Safety Check Summary							
NPT Analysis to Date													
Time Log Hrs (hr) 24.00		Problem Time Hours (hr) 24.00		Daily NPT Percent (%) 100.00		Cum Time Log Total (hr) 1,048.00		Cum Job NPT (hr) 156.25		Cum Job NPT (%) 14.91			
Daily Operations													
Report Start Date 6/2/2014 06:00		Drilled Last 24 Hours (hr) 0.00		End Depth (ftKB) 8,324.0		Avg ROP (ft/hr)		Drilling Hours (hr)		Circulating Hours (hr)			
Status at 8 AM CIRCULATING 2 BOTTOMS UP.													
24 Hour Forecast CIRCULATE 2 BOTTOMS UP. TRIP OUT OF THE HOLE. PICK UP AND TRIP IN THE HOLE WITH RTTS. AND SET AT 4450'. TEST CASING TO 1000 PSI. AND MONITOR. IF PRESSURE DOES NOT HOLD MAKE CALLS AND WORK UP HOLE. IF 1ST TEST IS SUCCESSFUL. SET RTTS AT 4530' BLOW DV-TOOL. TEST CASING TO 1000 PSI. AND MONITOR. IF TEST FAILS. TRIP OUT OF THE HOLE TO DETERMINE REMEDIAL CEMENT PLAN BASED OFF INJECTION RATES.													
24 Hour Summary ATTEMPT 3RD STAGE BRADEN HEAD CEMENT JOB. NIPPLE DOWN BOPE AND SET SLIPS. NIPPLE UP CASING SPOOL AND TEST. NIPPLE UP BOPE. STRAP IN THE HOLE AND DRILL OUT DV-TOOL.													
Geological Activity at Report Time 1ST BONE SPRING LIME @ 8,270'		Last Casing String INTERMEDIATE 2, 8,324.0ftKB		Next Casing OD (in) 5.500		Next Cgs Depth (ftKB) 15,011							
Mud Check: <Date?> @ <Depth?> Source:<Source?>													
Depth (ftKB)		Density (lb/gal)		Flowline (°F)		Funnel Visc (s/qt)		pH		Gel (10s) (lb/100ft)		Gel (10m) (lb/100...)	
Gel (30m) (lb/100...)													
PV Calc (cP)		YP Calc (lb/100ft)		Vis Bpm		Filtrate (mL/30min)		FC (1/32")		HTHP WL (mL/30...)		HTHP FC (1/32")	
Mud Lost (Hole) (...)													
LGS (%)		HGS (%)		Electric Stab (V)		MBT		PI (mL/mL)		MI (mL/mL)		PM (mL/mL)	
Cum Mud Lost to Hole (bbl)													
Chlorides (mg/L)		LCM		Oil Water Ratio		Max Background Gas		Max Connection Gas		Max Trip Gas		Max Drill Gas	
Time Log													
Start Time		End Time		Dur (hr)		Operation		Description		NPT			
06:00		09:00		3.00		CIRC		ATTEMPT TO PUMP 3RD STAGE BRADEN HEAD CEMENT JOB. CLOSED ANNULAR AND OPENED CHOKE TO 20%. STARTED PUMPING AT 1 BPM DOWN BACK SIDE TO ESTABLISH INJECTION RATES. FLUID FLOWED OUT FROM CEMENT HEAD. SHUTDOWN AND ATTEMPTED TO PUMP DOWN CEMENT HEAD AND CASING TO CLOSE DV-TOOL. CIRCULATE THROUGH FLOW LINE WITH BOPS OPEN, TRYING TO PRESSURE UP TO SEAT AND CLOSE DV TOOL / CAUGHT PRESSURE AFTER 31 BBLs @ 2700 PSI. FIRST ATTEMPT BUT BLEAD OFF SLOWLY 2ND ATTEMPT 3330PSI AND PRESSURE BLEAD OFF DOWN HOLE AS WELL / ESTABLISHED PUMP IN RATE WITH 1 BBL MIN. @ 1725PSI / DECISION WAS MADE TO GO AHEAD AND NIPPLE UP BOPE.		SVC			
09:00		09:30		0.50		CMTPRI		RIG DOWN HALLIBURTON.		SVC			
09:30		10:00		0.50		SAFETY		SAFETY MEETING WITH BATTLE, CACTUS AND DEVON		SVC			
10:00		19:30		9.50		BOPS		RIG UP BATTLE WINCHES. RIG DOWN FLOWLINE, NIPPLE DOWN BOPE AND PICK UP. SET CASING IN. SLIPS 250K. WITH FMC. CUT OFF CASING AND LAY DOWN. NIPPLE UP CASING SPOOL AND TEST TO 1500 PSI. HELD FOR 15 MINS. WITNESSED BY DEVON CONSULTANT. (GOOD TEST) NIPPLE UP BOPE AND TORQUE. RIG UP FLOWLINE. RIG DOWN WINCHES.		SVC			
19:30		23:00		3.50		BOPS		RIG DOWN CASING TOOLS. RIG UP TURN BUCKLES AND CENTER BOPE. RIG UP SCAFFOLDING MOUSE HOLE AND TOP DRIVE STABBING GUIDE. FUNCTION TEST BOPE.		SVC			
23:00		23:30		0.50		RIGSVC		SERVICE RIG AND TOP DRIVE.		SVC			
23:30		04:00		4.50		TRIP		PICK UP AND MAKE UP 8 1/2" MILLTOOTH BIT GT-1, A841A9, S/N 5232843, JETTED WITH 3 X 11's. BIT SUB BORED FOR FLOAT. STRAP IN THE HOLE FROM SURFACE TO 4429'. HOLE GIVING CORRECT DISPLACEMENT. GOOD STRAP 1' DIFFERENCE FROM PIPE TALLY.		SVC			
04:00		06:00		2.00		RMWAS H		BREAK CIRCULATION. TAG TOP OF DV-TOOL AT 4416'. DRILL OUT CLOSING PLUG TO 4445'.		SVC			
NO ACCIDENTS OR INCIDENTS REPORTED, NO SPILLS													
NPT Details													
NPT		NPT Type		NPT Sub-Type		Accountable Party		Dur (hr)		Start Depth (ftKB)		End Depth (ftKB)	
SVC		CASING OPS		CSG EQUIPMENT		BLACKHAWK OILFIELD SVCS INC		40.00		8,324.0		8,324.0	
Bulk Supply Amounts													
Supply Item Des		Unit Label		Received		Used		Cum Used		Cum On Loc			
DIESEL FUEL		GAL US		0.0		417.0		28,953.0		11,201.0			
Survey Data													
MD (ftKB)		Ind (°)		Azim (°)		TVD (ftKB)		VS (ft)		NS (ft)		EW (ft)	
DLS (°/100ft)		Build (°/100ft)											
6,400.00		0.58		188.74		6,398.85		-8.41		-9.29		20.09	
6,500.00		0.42		196.26		6,498.84		-9.27		-10.14		19.91	
6,600.00		0.24		191.47		6,598.84		-9.83		-10.70		19.76	
Daily Contacts													
Job Contact		Office											
SMITH, DEE, SUPERVISOR DRILLING		405-552-4780											
BIGGS, JOHN, DRLG SUPERINTENDENT		405-228-7539											
CLARK, RYAN, DRILLING ENGINEER		405-228-7241											
BILLY MARTIN, CONSULTANT		575-993-5249											
JIMMY SPRINGER, CONSULTANT		575-993-5249											
MINOR, SHARON, GEOLOGIST		405-228-8459											
RODGERS, DORSEY, FIELD FOREMAN		956-244-6365											
WILLIAM BEAN, SAFETY TECH		580-319-8569											
Mud Additive Amounts													
Additive Des		Used											
PUMP #1. HONG HAU 1600													
Pump #		Model		Pump Rating (hp)									
1		1600		1,600.0									
Liner Size (in)		Stroke Length (in)		Vol/Stk OR (bbl/stk)									
6		12.00		0.105									
P (psi)		Slow Spd		Strokes (s...)		Q Flow...		Depth (ftKB)					
PUMP #2. HONG HAU 1600													
Pump #		Model		Pump Rating (hp)									
2		1600		1,600.0									
Liner Size (in)		Stroke Length (in)		Vol/Stk OR (bbl/stk)									
6		12.00		0.105									
P (psi)		Slow Spd		Strokes (s...)		Q Flow...		Depth (ftKB)					
CONDUCTOR @ 148.0 ftKB													
Run Date		OD (in)		String Grade		Wt/Len (lb...)							
2/21/2014		30		J-55		196.00							
SURFACE @ 900.0 ftKB													
Run Date		OD (in)		String Grade		Wt/Len (lb...)							
5/13/2014		20		J-55		94.00							
INTERMEDIATE 1 @ 4,460.0 ftKB													
Run Date		OD (in)		String Grade		Wt/Len (lb...)							
5/21/2014		13 3/8		L-80 HC		68.00							
INTERMEDIATE 2 @ 8,324.0 ftKB													
Run Date		OD (in)		String Grade		Wt/Len (lb...)							
6/1/2014		9 5/8		HCP-110		43.50							



ALDABRA 25 FEDERAL 2H

WEST UNRESTRICTED

OH

Daily Drilling Batch Without Cost

Rpt #: 25 Date: 6/3/2014 06:00

District DELAWARE BASIN	Project Group DELAWARE BASIN REG	Field Name INGLE WELLS	County EDDY	State/Province NM
Surface Legal Location SEC25 T23S R31E	API/UMI 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev... 3,484.70
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,512.70
				Tubing Head Elevation (ft)

Survey Data

MD (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)
6,700.00	0.39	174.47	6,698.84	-10.37	-11.24	19.75	0.18	0.15
6,800.00	0.54	173.76	6,798.84	-11.18	-12.05	19.84	0.15	0.15
6,900.00	0.60	179.54	6,898.83	-12.16	-13.04	19.89	0.08	0.06
7,000.00	0.72	165.18	6,998.83	-13.29	-14.17	20.06	0.20	0.12
7,100.00	0.53	162.45	7,098.82	-14.32	-15.22	20.36	0.19	-0.19
7,200.00	0.44	165.26	7,198.82	-15.12	-16.03	20.59	0.09	-0.09
7,300.00	0.46	157.16	7,298.81	-15.85	-16.77	20.85	0.07	0.02
7,400.00	0.25	150.13	7,398.81	-16.40	-17.33	21.11	0.21	-0.21
7,500.00	0.45	151.28	7,498.81	-16.92	-17.87	21.41	0.20	0.20
7,600.00	0.83	137.94	7,598.80	-17.77	-18.75	22.08	0.41	0.38
7,700.00	0.76	146.14	7,698.79	-18.82	-19.84	22.94	0.13	-0.07
7,800.00	0.85	160.38	7,798.78	-20.04	-21.09	23.56	0.22	0.09
7,900.00	0.82	164.31	7,898.77	-21.41	-22.47	24.00	0.06	-0.03
8,000.00	0.93	155.55	7,998.76	-22.81	-23.90	24.53	0.17	0.11
8,100.00	1.08	159.74	8,098.75	-24.41	-25.52	25.19	0.17	0.15
8,200.00	1.02	167.44	8,198.73	-26.13	-27.28	25.71	0.15	-0.06
8,300.00	0.90	179.19	8,298.71	-27.78	-28.93	25.92	0.23	-0.12

ALDABRA 25 FEDERAL 2H										WEST UNRESTRICTED	
devon										OH	
Daily Drilling Batch Without Cost										Rpt #: 26 Date: 6/4/2014 06:00	
District DELAWARE BASIN		Project Group DELAWARE BASIN REG		Field Name INGLE WELLS		County EDDY		State/Province NM			
Surface Legal Location SEC25 T23S R31E		API/UMI 3001538613		Latitude (°) 32° 16' 7.914" N		Longitude (°) 103° 44' 16.294" W		Ground Elev... 3,484.70		KB - GL (ft) 28.00	
								Orig KB Elev (ft) 3,512.70		Tubing Head Elevation (ft)	
Jobs											
Job Category DRILLING/COMPLETIONS		Primary Job Type DEVELOPMENT		Original Drig Spud Date 5/11/2014 18:00		Target Formation BONE SPRING 2ND		Safety Incidents			
Current Well Status COMPLETION - WAITING COMPLETION UNIT		WBS Number 98-03763.01;98- 03763.02;98- 03763.03;98- 03763.04		Auth MD (ftKB) 13,707.0		Original Drig Rig Release Date 6/19/2014 18:00		DFS (days) 23.50		Rpt Filed? No	
								Days LTI (days) 282.00		Days RI (days) 282.00	
								Head Count 33		Cum Pers Hrs (hr) 8,412	
Rigs											
Contractor, Rig Name CACTUS DRILLING COMPANY				Rig Number 105		Rig Pick Up 5/9/2014 06:00		Safety Check Summary			
NPT Analysis to Date								Type BOP DRILL			
Time Log Hrs (hr) 24.00		Problem Time Hours (hr) 20.50		Daily NPT Percent (%) 85.42		Cum Time Log Total (hr) 1,048.00		Cum Job NPT (hr) 156.25		Cum Job NPT (%) 14.91	
Daily Operations								Type BOP FUNCTION TEST			
Report Start Date 6/3/2014 06:00		Drilled Last 24 Hours (ft) 0.00		End Depth (ftKB) 8,324.0		Avg ROP (ft/hr) 0.00		Drilling Hours (hr) 0.00		Circulating Hours (hr) 0.00	
Status at 6 AM WAIT ON CEMENT				24 Hour Forecast WOC 24 HRS.				Type BOP PRESSURE TEST			
24 Hour Summary CIRCULATE 2 BOTTOMS UP, TRIP OUT OF THE HOLE, PICK UP AND TRIP IN THE HOLE WITH RTTS, AND SET AT 4390'. TEST CASING TO 1000 PSI, AND MONITOR. SET RTTS AT 4475' BLOW DV-TOOL. TEST CASING TO 1000 PSI, AND MONITOR. TRIP OUT OF THE HOLE AND CEMENT. SHUT IN AND WOC.								Type H2S SAFETY INSPECTION			
Geological Activity at Report Time 1ST BONE SPRING LIME @ 8,270'				Last Casing String INTERMEDIATE 2, 8,324.0RKB		Next Casing OD (in) 5.500		Next Cgs Depth (ftKB) 15,011		Type SAFETY MEETING	
Mud Check: 6/1/2014 14:30 @ 8,324.0 RKB Source: SUCTION								Type TEST C.O.M			
Depth (ftKB) 8,324.0		Density (lb/gal) 9.00		Flowline (°F) 82.0		Funnel Visc (s/qt) 28		pH 7.00		Gel (10s) (lb/100ft) 1	
PV Calc (cP) 1.0		YP Calc (lb/100ft) 1		Vis Grpm 1		Filtrate (mL/30min) 1		FC (1/32") 1		HTHP WL (mL/30") 1	
LGS (%) 0.3		HGS (%) 0.3		Electric Stab (V) 0.0		MBT 0.0		Pm (mL/mL) 0.3		Cum Mud Lost to Hole (bbl) 0.0	
Chlorides (mg/L) 68,000		LCM 0/100		Oil Water Ratio 0/100		Max Background Gas 0.0		Max Connection Gas 0.0		Max Trip Gas 0.0	
										Mud Lost (Hole) (bbl) 0.0	
Time Log											
Start Time	End Time	Dur (hr)	Operation	Description	NPT						
06:00	07:00	1.00	CIRC	CIRCULATE 2 BOTTOMS UP, RETRIEVED ALL CLOSING PLUG RUBBER.	SVC	JIMMY SPRINGER, CONSULTANT 575-993-5249					
07:00	07:30	0.50	TRIP	TRIP OUT OF THE HOLE FROM 4495' TO 4038' TO P/U RTTS. (RETRIEVABLE TEST, TREAT & SQUEEZE PACKER)	SVC	MINOR, SHARON, GEOLOGIST 405-228-8459					
07:30	08:30	1.00	CIRC	PUMP DOWN BACK SIDE TO SEE IF DV-TOOL CLOSED AFTER DRILLING OUT. DID NOT CLOSE.	SVC	RODGERS, DORSEY, FIELD FOREMAN 956-244-6365					
08:30	12:30	4.00	TRIP	TRIP OUT OF THE HOLE FROM 4038' TO SURFACE. BREAK BIT AND BIT SUB W/ FLOAT AND LAY DOWN.	SVC	WILLIAM BEAN, SAFETY TECH 580-319-8569					
12:30	13:00	0.50	BHA	PICK UP AND MAKE UP HALLIBURTON RTTS PACKER.	SVC	Mud Additive Amounts					
13:00	15:30	2.50	TRIP	STRAP IN THE HOLE FROM SURFACE TO 4390'.	SVC	MUD ENGINEER 1					
15:30	17:00	1.50	CIRC	RECORDED PICK UP 130K AND SLACK OFF WTS 128K. SET RTTS 1/2 TURN TO THE RIGHT, SET RTTS WITH 30K DOWN. TEST DOWN BACK SIDE TO 1000 PSI. HELD FOR 10 MINS. GOOD TEST. PICKED UP TO RELEASE RTTS. TRIP IN THE HOLE 1 STAND TO 4475'. SAME ON THE PICK UP AND SLACK OFF. SET RTTS SAME. OPEN 13 3/8" SURFACE VALVE. PUMP DOWN DRILL PIPE WITH INJECTION RATE 5 BPM AT 80 PSI, AND GETTING CIRCULATION THRU 2" VALVE. PICK UP AND RELEASE RTTS.	SVC	POLY PLUS 1					
17:00	19:30	2.50	TRIP	TRIP OUT OF THE HOLE FROM 4475' TO SURFACE. BREAK AND LAY DOWN RTTS.	SVC	PUMP #1 HONG HAU 1600					
19:30	20:00	0.50	RIGSVC	SERVICE RIG AND TOP DRIVE.	SVC	Pump # 1600 Pump Rating (hp) 1,600.0					
20:00	21:00	1.00	CMTPRI	PREP FOR 3RD STAGE CEMENT JOB. HALLIBURTON ON LOCATION AT 21:00 HRS.	SVC	Liner Size (in) 6 Stroke Length (in) 12.00 Vol/Stk OR (bbl/stk) 0.105					
21:00	22:00	1.00	CMTPRI	RIG UP HALLIBURTON TO PUMP DOWN KILL LINE. OPEN 13 3/8" CASING 2" VALVE FOR RETURNS.	SVC	P (psi) Slow Spd Strokes (s...) Q Flow... Depth (ftKB)					
22:00	02:30	4.50	CMTPRI	WAIT ON HALLIBURTON BACK UP PUMP TRUCK. PUMP TRUCK ON LOCATION AT 23:30 HRS. CEMENT CREW RIGGED UP AND CLUTCH ON AIR COMPRESSOR MOTOR ON BULK TRUCK LOCKED UP. CALLED IN FOR BULK TRUCK. WAIT ON TRUCK. BULK TRUCK ON LOCATION 02:30 HRS. CHECK EQUIPMENT.	SVC	PUMP #2 HONG HAU 1600					
02:30	03:00	0.50	SAFETY	HELD SAFETY MEETING WITH HALLIBURTON, CACTUS AND DEVON.	SVC	Pump # 1600 Pump Rating (hp) 1,600.0					
03:00	06:00	3.00	CMTPRI	CEMENT 3RD STAGE AS FOLLOWS: TEST LINES TO 5000 PSI. PUMP 20 BBL. F/W SPACER LAST 10 BBLs. WITH RED DYE. PUMP LEAD SLURRY 1035 SACKS = 341 BBLs. 12.9 PPG. YIELD 1.852. MIX WATER 9.82 ECONOCHEM-HCL, 5% SALT, 0.1250 LBM POLY-E-FLAKE, 30% HR-800. TAIL SLURRY 160 SACKS = 38 BBLs. 14.8 PPG. YIELD 1.326. MIX WATER 6.32, HALCEM-C, 1% CALCIUM CHLORIDE AT 7 BPM PUMP 314 BBLs F/W DISPLACEMENT AT 7 BPM. LAST 10 BBLs. WITH SUGAR. WILL LEAVE 200' CEMENT ON TOP OF DV-TOOL. SLOWED LAST RATE LAST 14 BBLs. 3 BPM, DIFFERENTIAL PRESSURE 1150 PSI. SHUT IN WELL. CIRCULATE 64 BBLs. = 194 SACKS TO SURFACE. CAUGHT CEMENT AT 140 BBLs. IN.	SVC	Liner Size (in) 6 Stroke Length (in) 12.00 Vol/Stk OR (bbl/stk) 0.105					
						P (psi) Slow Spd Strokes (s...) Q Flow... Depth (ftKB)					
NPT Details											
NPT	NPT Type	NPT Sub-Type	Accountable Party	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)					
SVC	CEMENTING	CMT EQUIPMENT	HALLIBURTON	4.50	8,324.0	8,324.0					
Bulk Supply Amounts											
Supply Item Des		Unit Label	Received	Used	Cum Used	Cum On Loc					
DIESEL FUEL		GAL US	0.0	628.0	29,581.0	10,573.0					
NO ACCIDENTS OR INCIDENTS REPORTED, NO SPILLS.											



ALDABRA 25 FEDERAL 2H

WEST UNRESTRICTED

OH

Daily Drilling Batch Without Cost

Rpt #: 26 Date: 6/4/2014 06:00

District DELAWARE BASIN	Project Group DELAWARE BASIN REG	Field Name INGLE WELLS	County EDDY	State/Province NM
Surface Legal Location SEC25 T23S R31E	API/UMI 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev... 3,484.70
				KB - GL (ft) 28.00
				Orig KB Elev (ft) 3,512.70
				Tubing Head Elevation (ft)

Survey Data

MD (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)
6,400.00	0.58	188.74	6,398.85	-8.41	-9.29	20.09	0.15	-0.15
6,500.00	0.42	196.26	6,498.84	-9.27	-10.14	19.91	0.17	-0.16
6,600.00	0.24	191.47	6,598.84	-9.83	-10.70	19.76	0.18	-0.18
6,700.00	0.39	174.47	6,698.84	-10.37	-11.24	19.75	0.18	0.15
6,800.00	0.54	173.76	6,798.84	-11.18	-12.05	19.84	0.15	0.15
6,900.00	0.60	179.54	6,898.83	-12.16	-13.04	19.89	0.08	-0.06
7,000.00	0.72	165.18	6,998.83	-13.29	-14.17	20.06	0.20	0.12
7,100.00	0.53	162.45	7,098.82	-14.32	-15.22	20.36	0.19	-0.19
7,200.00	0.44	165.26	7,198.82	-15.12	-16.03	20.59	0.09	-0.09
7,300.00	0.46	157.16	7,298.81	-15.85	-16.77	20.85	0.07	0.02
7,400.00	0.25	150.13	7,398.81	-16.40	-17.33	21.11	0.21	-0.21
7,500.00	0.45	151.28	7,498.81	-16.92	-17.87	21.41	0.20	0.20
7,600.00	0.83	137.94	7,598.80	-17.77	-18.75	22.08	0.41	0.38
7,700.00	0.78	146.14	7,698.79	-18.82	-19.84	22.94	0.13	-0.07
7,800.00	0.85	160.38	7,798.78	-20.04	-21.09	23.56	0.22	0.09
7,900.00	0.82	164.31	7,898.77	-21.41	-22.47	24.00	0.06	-0.03
8,000.00	0.93	155.55	7,998.76	-22.81	-23.90	24.53	0.17	0.11
8,100.00	1.08	159.74	8,098.75	-24.41	-25.52	25.19	0.17	0.15
8,200.00	1.02	167.44	8,198.73	-26.13	-27.28	25.71	0.15	-0.06
8,300.00	0.90	179.19	8,298.71	-27.78	-28.93	25.92	0.23	-0.12

Daily Drilling Batch Without Cost

Rpt #: 27 Date: 6/5/2014 06:00

District DELAWARE BASIN		Project Group DELAWARE BASIN REG		Field Name INGLE WELLS		County EDDY		State/Province NM	
Surface Legal Location SEC25 T23S R31E		API/UMI 3001538613		Latitude (°) 32° 16' 7.914" N		Longitude (°) 103° 44' 16.294" W		Ground Elev... 3,484.70	
KB - GL (ft) 28.00		Orig KB Elev (ft) 3,512.70		Tubing Head Elevation (ft)					
Jobs									
Job Category DRILLING/COMPLETIONS		Primary Job Type DEVELOPMENT		Original Drig Spud Date 5/11/2014 18:00		Target Formation BONE SPRING 2ND			
Current Well Status COMPLETION - WAITING COMPLETION UNIT		WBS Number 98-03763.01;98-03763.02;98-03763.03;98-03763.04		Auth MD (ftKB) 13,707.0		Original Drig Rig Release Date 6/19/2014 18:00		DFS (days) 24.50	
Safety Incidents									
Date 6/5/2014		Type NONE		Rpt Filed?		No			
Safety									
Days LTI (days) 283.00		Days RI (days) 283.00		# Safe/Stop 12					
Head Count 26		Pers Tot Hrs (hr) 253		Cum Pers Hrs (hr) 8,665					
Rigs									
Contractor, Rig Name CACTUS DRILLING COMPANY		Rig Number 105		Rig Pick Up 5/9/2014 06:00					
NPT Analysis to Date									
Time Log Hrs (hr) 24.00		Problem Time Hours (hr) 0.00		Daily NPT Percent (%) 0.00		Cum Time Log Total (hr) 1,048.00		Cum Job NPT (hr) 156.25	
Cum Job NPT (%) 14.91									
Daily Operations									
Report Start Date 6/4/2014 06:00		Drilled Last 24 Hours (ft) 0.00		End Depth (ftKB) 8,324.0		Avg ROP (ft/hr) 0.00		Drilling Hours (hr) 24.00	
Circulating Hours (hr) 0.00									
Status at 6 AM WAIT ON CEMENT / RIG UP TO TEST BOPE.		24 Hour Forecast TEST BOPE, TRIP IN THE HOLE. DRILL CEMENT, LOWER DV-TOOL, FLOAT COLLAR AND TEST CASING.							
24 Hour Summary									
WAIT ON CEMENT									
Geological Activity at Report Time 1ST BONE SPRING LIME @ 8,270'		Last Casing String INTERMEDIATE 2, 8,324.0ftKB		Next Casing OD (in) 5.500		Next Cgs Depth (ftKB) 15,011			
Mud Check: 6/4/2014 10:15 @ 8,324.0 ftKB Source:SUCTION									
Depth (ftKB) 8,324.0		Density (lb/gal) 8.78		T Flowline (°F) 82.0		pH 28		Gel (10s) (lb/100ft) 7.00	
Gel (10m) (lb/100...) 1		Gel (30m) (lb/100...) 1		Gel (30m) (lb/100...) 1		Mud Lost (Hole) (ft) 1			
PV Calc (CP) 1.0		YP Calc (lb/100ft) 1		Vis Bpmp 1		Filtrate (mL/30min) 1		FC (1/32") 1	
HTHP WL (mL/30...) 0.0		HTHP FC (1/32") 0.0		Mud Mud Lost to Hole (bbl) 0.0					
LGS (%) 0.1		HGS (%) 0.1		Electric Slab (V) 0.0		PI (mL/mL) 0.0		MI (mL/mL) 0.2	
Pm (mL/mL) 0.0		Cum Mud Lost to Hole (bbl) 0.0							
Chlorides (mg/L) 47,000		LCM 0/100		Oil Water Ratio 0/100		Max Background Gas 0.0		Max Connection Gas 0.0	
Max Trip Gas 0.0		Max Drill Gas 0.0							
Time Log									
Start Time 06:00		End Time 06:00		Dur (hr) 24.00		Operation DPIPE		Description WOC, PICK UP AND MAKE DRILL PIPE STANDS (43) AND SET BACK IN DERRICK FOR CURVE AND LATERAL HOLE SECTIONS. CLEANUP AROUND LOCATION, RIG MAINTAINANCE AND ACTION ITEM LIST.	
NPT 06:00		06:00				SAFETY		AT 18:00 HRS. PERFORMED H2S DRILL WITH ASSURANCE AND ALL PERSONNEL ON LOCATION.	
Bulk Supply Amounts									
Supply Item Desc		Unit Label		Received		Used		Cum Used	
DIESEL FUEL		GAL US		0.0		419.0		30,000.0	
WATER		BBL		130.0		130.0		52,110.0	
Cum On Loc								10,154.0	
Survey Data									
MD (ftKB)		Ind (°)		Azim (°)		TVD (ftKB)		VS (ft)	
N/S (ft)		E/W (ft)		DLS (°/100ft)		Build (°/100ft)			
6,400.00		0.58		188.74		6,398.85		-8.41	
-9.29		20.09		0.15		-0.15			
6,500.00		0.42		196.26		6,498.84		-9.27	
-10.14		19.91		0.17		-0.16			
6,600.00		0.24		191.47		6,598.84		-9.83	
-10.70		19.76		0.18		-0.18			
6,700.00		0.39		174.47		6,698.84		-10.37	
-11.24		19.75		0.18		0.15			
6,800.00		0.54		173.76		6,798.84		-11.18	
-12.05		19.84		0.15		0.15			
6,900.00		0.60		179.54		6,898.83		-12.16	
-13.04		19.89		0.08		0.06			
7,000.00		0.72		165.18		6,998.83		-13.29	
-14.17		20.06		0.20		0.12			
7,100.00		0.53		162.45		7,098.82		-14.32	
-15.22		20.36		0.19		-0.19			
7,200.00		0.44		165.26		7,198.82		-15.12	
-16.03		20.59		0.09		-0.09			
7,300.00		0.46		157.16		7,298.81		-15.85	
-16.77		20.85		0.07		0.02			
7,400.00		0.25		150.13		7,398.81		-16.40	
-17.33		21.11		0.21		-0.21			
7,500.00		0.45		151.28		7,498.81		-16.92	
-17.87		21.41		0.20		0.20			
7,600.00		0.83		137.94		7,598.80		-17.77	
-18.75		22.08		0.41		0.38			
7,700.00		0.76		146.14		7,698.79		-18.82	
-19.84		22.94		0.13		-0.07			
7,800.00		0.85		160.38		7,798.78		-20.04	
-21.09		23.56		0.22		0.09			
7,900.00		0.82		164.31		7,898.77		-21.41	
-22.47		24.00		0.06		-0.03			
8,000.00		0.93		155.55		7,998.76		-22.81	
-23.90		24.53		0.17		0.11			
8,100.00		1.08		159.74		8,098.75		-24.41	
-25.52		25.19		0.17		0.15			
8,200.00		1.02		167.44		8,198.73		-26.13	
-27.28		25.71		0.15		-0.06			
8,300.00		0.90		179.19		8,298.71		-27.78	
-28.93		25.92		0.23		-0.12			
Mud Additive Amounts									
Additive Desc		Used							
MUD ENGINEER		1							
PUMP #1 HONG HAU 1600									
Pump #		Model		Pump Rating (hp)					
1		1600		1,600.0					
Liner Size (in)		Stroke Length (in)		Vol/Stk OR (bbl/stk)					
6		12.00		0.105					
P (psi)		Slow Spd		Strokes (s...)		Q Flow... Depth (ftKB)			
PUMP #2 HONG HAU 1600									
Pump #		Model		Pump Rating (hp)					
2		1600		1,600.0					
Liner Size (in)		Stroke Length (in)		Vol/Stk OR (bbl/stk)					
6		12.00		0.105					
P (psi)		Slow Spd		Strokes (s...)		Q Flow... Depth (ftKB)			
CONDUCTOR @ 148.0 ftKB									
Run Date		OD (in)		String Grade		W/Len (ft)			
2/21/2014		30		J-55		195.00			
SURFACE @ 900.0 ftKB									
Run Date		OD (in)		String Grade		W/Len (ft)			
5/13/2014		20		J-55		94.00			
INTERMEDIATE 1 @ 4,460.0 ftKB									
Run Date		OD (in)		String Grade		W/Len (ft)			
5/21/2014		13 3/8		L-80 HC		68.00			
INTERMEDIATE 2 @ 8,324.0 ftKB									
Run Date		OD (in)		String Grade		W/Len (ft)			
6/1/2014		9 5/8		HCP-110		43.50			

devon		ALDABRA 25 FEDERAL 2H				WEST UNRESTRICTED			
Daily Drilling Batch Without Cost		OH				Rpt #: 28 Date: 6/6/2014 06:00			
District DELAWARE BASIN	Project Group DELAWARE BASIN REG	Field Name INGLE WELLS	County EDDY	State/Province NM					
Surface Legal Location SEC25 T23S R31E	API Well 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev. 3,484.70	KB - GL (ft) 28.00	Orig KB Elev (ft) 3,512.70	Tubing Head Elevation (ft)		
Jobs					Safety Incidents				
Job Category DRILLING/COMPLETIONS	Primary Job Type DEVELOPMENT	Original Drig Spud Date 5/11/2014 18:00	Target Formation BONE SPRING 2ND		Date 6/6/2014		Type NONE	Rpt Filed? No	
Current Well Status COMPLETION - WAITING COMPLETION UNIT	WBS Number 98-03763.01;98-03763.02;98-03763.03;98-03763.04	Auth MD (ftKB) 13,707.0	Original Drig Rig Release Date 6/19/2014 18:00	DFS (days) 25.50	Safety				
					Days LTI (days) 284.00	Days RT (days) 284.00	# Safe/Stop 12		
					Head Count 23	Pers Tot Hrs (hr) 241	Cum Pers Hrs (hr) 8,906		
Rigs					Safety Check Summary				
Contractor, Rig Name CACTUS DRILLING COMPANY		Rig Number 105	Rig Pick Up 5/9/2014 06:00		Type		Last Date	Next (days)	
NPT Analysis to Date					BOP DRILL				
Time Log Hrs (hr) 24.00	Problem Time Hours (hr) 0.50	Daily NPT Percent (%) 2.08	Cum Time Log Total (hr) 1,048.00	Cum Job NPT (hr) 156.25	Cum Job NPT (%) 14.91	BOP FUNCTION TEST			
Daily Operations					BOP PRESSURE TEST				
Report Start Date 6/5/2014 06:00	Drilled Last 24 Hours (ft) 0.00	End Depth (ftKB) 8,324.0	Avg ROP (ft/hr) 16.40	Drilling Hours (hr) 14.91	Circulating Hours (hr) 14.91	H2S			
Status at 6 AM TRIPPING OUT OF THE HOLE.					SAFETY INSPECTION				
24 Hour Forecast TRIP OUT OF THE HOLE. RIG UP AND RUN BOND LOG. TRIP IN THE HOLE AND DRILL CEMENT FLOAT COLLAR, SHOE JOINT AND SHOE. DRILL 10' FORMATION AND PERFORM FIT. DRILL NEW VERTICAL FORMATION.					SAFETY MEETING				
					TEST C.O.M				
24 Hour Summary TEST BOPE 5000 HI/ 250 LOW. ANNULAR 3500 HI / 250 LOW. INSTALL WEAR BUSHING. TIH W/ MILL TOOTH. TEST CASING TO 1000 PSI. DRILL CEMENT. SERVICE RIG, NPT GENERATOR MOTORS. TEST CASING TO 1500 PSI. TRIP IN THE HOLE AND DRILL OUT DV-TOOL. TEST CASING TO 1830 PSI. TRIP IN THE HOLE AND DRILL CEMENT. CIRCULATE BOTTOMS AND TRIP OUT OF THE HOLE.					TRIP DRILL				
Geological Activity at Report Time 1ST BONE SPRING LIME @ 8,270'					Last Casing String INTERMEDIATE 2, 8,324.0ftKB				
					Next Casing OD (in) 5.500				
					Next Csg Depth (ftKB) 15,011				
Mud Check: 6/5/2014 09:15 @ 8,324.0 ftKB Source: SUCTION					Daily Contacts				
Depth (ftKB) 8,324.0	Density (lb/gal) 8.80	T Flowline (°F) 90.0	Funnel Visc (cP) 28	pH 7.00	Gel (10s) (lb/100ft) 1	Gel (10m) (lb/100ft) 1	Gel (30m) (lb/100ft) 1	Job Contact SMITH, DEE, SUPERVISOR DRILLING	
PV Calc (cP) 1.0	YP Calc (lb/100ft) 1	Vis 6rpm 1	Filtrate (mL/30min) 1	FC (1/32) 1	HTHP WL (mL/30) 1	HTHP FC (1/32) 1	Mud Lost (Hole) 1	Office 405-552-4780	
LGS (%) 0.1	HGS (%) 0.1	Electric Stab (V) 0	MBT 0.0	Pf (mL/mL) 0.0	Mf (mL/mL) 0.3	Pm (mL/mL) 0.3	Cum Mud Lost to Hole (bbl) 0	BIGGS, JOHN, DRLG SUPERINTENDENT	
Chlorides (mg/L) 47,000	LCM 0/100	Oil Water Ratio 0/100	Max Background Gas 0	Max Connection Gas 0	Max Trip Gas 0	Max Drill Gas 0		405-228-7539	
Time Log					CLARK, RYAN, DRILLING ENGINEER				
Start Time 06:00	End Time 12:00	Dur (hr) 6.00	Operation BOPS	Description TEST BOP, MANIFOLD, BLINDS, LOWER PIPE, UPPER PIPE, TIW, DART VALVE, LOWER MANUAL VALVE, IBOP, HCR TO 250 LOW/ 5000 HI HOLD ALL TEST 10 MIN. TEST ANNULAR & 4" VALVES ON PUMPS 250 LOW 3500 HI. RD TESTER.				405-228-7241	
12:00	12:30	0.50	BOPS	INSTALL WEAR BUSHING.				DAVID GOMBAR, CONSULTANT	
12:30	16:30	4.00	TRIP	TRIP IN THE HOLE WITH 8 1/2" MILLTOOTH BIT FROM SURFACE. TAG CEMENT AT 4049'.				575-993-5249	
16:30	17:30	1.00	CIRC	BREAK CIRCULATION, CIRCULATE BOTTOMS. CLOSE ANNULAR AND TEST CASING TO 1000 PSI (1020 PSI BLEED TO 998 PSI) GOOD TEST.				JIMMY SPRINGER, CONSULTANT	
17:30	18:00	0.50	RMWAS H	DRILL CEMENT FROM 4049' TO 4301' = 252'. WOB 2 - 10K, SPM 133, GPM 529, TD RPM 80.				575-993-5249	
18:00	18:30	0.50	RIGSVC	SERVICE RIG AND TOP DRIVE.				MINOR, SHARON, GEOLOGIST	
18:30	19:00	0.50	RIGSVC	GENERATOR MOTOR SHUT DOWN. CHANGED OUT FILTER ON DIESEL TANK AND AIRED OUT DIESEL LINES.				405-228-8459	
19:00	19:30	0.50	RMWAS H	DRILL CEMENT FROM 4301' TO 4457' = 156'. WOB 2 - 10K, SPM 133, GPM 529, TD RPM 80.				STUBBS KEN, FIELD FOREMAN	
19:30	20:30	1.00	CIRC	CIRCULATE OUT CEMENT. CLOSE ANNULAR AND TEST CASING TO 1500 PSI (1480 PSI BLEED TO 1460 PSI) HELD FOR 15 MINS. GOOD TEST.				575-748-5707	
20:30	21:00	0.50	TRIP	TRIP IN THE HOLE WITH 8 1/2" MILLTOOTH BIT FROM 4457'. TAG LOWER DV-TOOL AT 5227'.				WILLIAM BEAN, SAFETY TECH	
21:00	22:00	1.00	RMWAS H	DRILL DV-TOOL FROM 5227' TO 5251'. WOB 2 - 10K, SPM 133, GPM 529, TD RPM 80.				580-319-8569	
22:00	01:30	3.50	CIRC	CIRCULATE 10 MINS. CLOSE ANNULAR. TEST CASING TO 1830 PSI. FOR 30 MINS. BLEED OFF TO 1701 PSI. = 7%. RETEST TO 1830 PSI. BLEED OFF TO 1723 PSI. = 6%. CLOSED HCR. RETEST TO 1830 PSI. CLOSED 4" AND 2" VALVES ON PUMPS. BLEED OFF TO 1676 PSI. = 8.5%. BLEED PRESSURE OFF TO 0 PSI. CLOSED 4" MANUAL CHOKE VALVE. KILL LINE VALVE AND PIPE RAMS. RETEST TO 1830 PSI. CLOSED 4" AND 2" VALVES ON PUMPS. BLEED OFF TO 1686 PSI. = 8%.				Mud Additive Amounts	
01:30	03:00	1.50	TRIP	TRIP IN THE HOLE WITH 8 1/2" MILLTOOTH BIT FROM 5251'. TAG CEMENT AT 8242'.				Additive Des MUD ENGINEER	
03:00	03:30	0.50	RMWAS H	DRILL CEMENT FROM 8242' TO 8270'. WOB 2 - 10K, SPM 133, GPM 529, TD RPM 80.				Used 1	
03:30	04:00	0.50	CIRC	CIRCULATE BOTTOMS UP.				PUMP #1: HONG HAU 1600	
04:00	06:00	2.00	TRIP	TRIP OUT OF THE HOLE.				Pump # 1	
					Model 1600				
					Pump Rating (hp) 1,600.0				
					Liner Size (in) 6				
					Stroke Length (in) 12.00				
					Vol/Stk OR (bbl/stk) 0.105				
					P (psi) 12.00				
					Slow Spd 12.00				
					Strokes (s...) 12.00				
					Q Flow... 12.00				
					Depth (ftKB) 12.00				
					PUMP #2: HONG HAU 1600				
					Pump # 2				
					Model 1600				
					Pump Rating (hp) 1,600.0				
					Liner Size (in) 6				
					Stroke Length (in) 12.00				
					Vol/Stk OR (bbl/stk) 0.105				
					P (psi) 12.00				
					Slow Spd 12.00				
					Strokes (s...) 12.00				
					Q Flow... 12.00				
					Depth (ftKB) 12.00				
					CONDUCTOR @ 148.0 ftKB				
					Run Date 2/21/2014				
					OD (in) 30				
					String Grade J-55				
					Wt/Len (lb...) 196.00				
					SURFACE @ 900.0 ftKB				
					Run Date 5/13/2014				
					OD (in) 20				
					String Grade J-55				
					Wt/Len (lb...) 94.00				
					INTERMEDIATE 1 @ 4,460.0 ftKB				
					Run Date 5/21/2014				
					OD (in) 13 3/8				
					String Grade L-80 HC				
					Wt/Len (lb...) 68.00				
					INTERMEDIATE 2 @ 8,324.0 ftKB				
					Run Date 6/1/2014				
					OD (in) 9 5/8				
					String Grade HCP-110				
					Wt/Len (lb...) 43.50				
NPT Details									
NPT	NPT Type	NPT Sub-Type	Accountable Party	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)			
TRIG	RIG COMPONENTS	RIG POWER	CACTUS DRILLING COMPANY	0.50	8,324.0	8,324.0			
Bulk Supply Amounts									
Supply Item Des	Unit Label	Received	Used	Cum Used	Cum On Loc				
DIESEL FUEL	GAL US	0.0	628.0	30,628.0	9,526.0				
WATER	BBL	390.0	390.0	52,500.0	0.0				



ALDABRA 25 FEDERAL 2H

WEST UNRESTRICTED

OH

Daily Drilling Batch Without Cost

Rpt #: 28 Date: 6/6/2014 06:00

District DELAWARE BASIN	Project Group DELAWARE BASIN REG	Field Name INGLE WELLS	County EDDY	State/Province NM
Surface Legal Location SEC25 T23S R31E	API/WI 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev... 3,484.70
				KB - GL (ft) 28.00
				Orig KB Elev (ft) 3,512.70
				Tubing Head Elevation (ft)

Survey Data

MD (ftKB)	Ind (°)	Azmi (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (°/100ft)	Build (°/100ft)
6,400.00	0.58	188.74	6,398.85	-8.41	-9.29	20.09	0.15	-0.15
6,500.00	0.42	196.26	6,498.84	-9.27	-10.14	19.91	0.17	-0.16
6,600.00	0.24	191.47	6,598.84	-9.83	-10.70	19.76	0.18	-0.18
6,700.00	0.39	174.47	6,698.84	-10.37	-11.24	19.75	0.18	0.15
6,800.00	0.54	173.76	6,798.84	-11.18	-12.05	19.84	0.15	0.15
6,900.00	0.60	179.54	6,898.83	-12.16	-13.04	19.89	0.08	0.06
7,000.00	0.72	165.18	6,998.83	-13.29	-14.17	20.06	0.20	0.12
7,100.00	0.53	162.45	7,098.82	-14.32	-15.22	20.36	0.19	-0.19
7,200.00	0.44	165.26	7,198.82	-15.12	-16.03	20.59	0.09	-0.09
7,300.00	0.46	157.16	7,298.81	-15.85	-16.77	20.85	0.07	0.02
7,400.00	0.25	150.13	7,398.81	-16.40	-17.33	21.11	0.21	-0.21
7,500.00	0.45	151.28	7,498.81	-16.92	-17.87	21.41	0.20	0.20
7,600.00	0.83	137.94	7,598.80	-17.77	-18.75	22.08	0.41	0.38
7,700.00	0.76	146.14	7,698.79	-18.82	-19.84	22.94	0.13	-0.07
7,800.00	0.85	160.38	7,798.78	-20.04	-21.09	23.56	0.22	0.09
7,900.00	0.82	164.31	7,898.77	-21.41	-22.47	24.00	0.06	-0.03
8,000.00	0.93	155.55	7,998.76	-22.81	-23.90	24.53	0.17	0.11
8,100.00	1.08	159.74	8,098.75	-24.41	-25.52	25.19	0.17	0.15
8,200.00	1.02	167.44	8,198.73	-26.13	-27.28	25.71	0.15	-0.06
8,300.00	0.90	179.19	8,298.71	-27.78	-28.93	25.92	0.23	-0.12



ALDABRA 25 FEDERAL 2H

OH

WEST UNRESTRICTED

Daily Drilling Batch Without Cost

Rpt #: 29 Date: 6/7/2014 06:00

District DELAWARE BASIN		Project Group DELAWARE BASIN REG		Field Name INGLE WELLS		County EDDY		State/Province NM	
Surface Legal Location SEC25 T23S R31E		APU/UM 3001538613		Latitude (°) 32° 16' 7.914" N		Longitude (°) 103° 44' 16.294" W		Ground Elev... 3,484.70	
				KB - GL (ft) 28.00		Orig KB Elev (ft) 3,512.70		Tubing Head Elevation (ft)	

Jobs

Job Category DRILLING/COMPLETIONS	Primary Job Type DEVELOPMENT	Original Drig Spud Date 5/11/2014 18:00	Target Formation BONE SPRING 2ND
Current Well Status COMPLETION - WAITING COMPLETION UNIT	WBS Number 98-03763.01;98-03763.02;98-03763.03;98-03763.04	Auth MD (ftKB) 13,707.0	Original Drig Rig Release Date 6/19/2014 18:00
		DFS (days) 26.50	

Safety Incidents

Date	Type	Rpt Filed?
6/7/2014	NONE	No

Rigs

Contractor, Rig Name CACTUS DRILLING COMPANY	Rig Number 105	Rig Pick Up 5/9/2014 06:00
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Safety Check Summary

Type	Last Date	Next (days)
BOP DRILL	5/25/2014	-5
BOP FUNCTION TEST	6/7/2014	
BOP PRESSURE TEST	6/5/2014	27
H2S SAFETY INSPECTION	6/4/2014	5
SAFETY MEETING TEST C.O.M	6/7/2014	1
TRIP DRILL	6/6/2014	7

NPT Analysis to Date:

Time Log Hrs (hr) 24.00	Problem Time Hours (hr) 0.00	Daily NPT Percent (%) 0.00	Cum Time Log Total (hr) 1,048.00	Cum Job NPT (hr) 156.25	Cum Job NPT (%) 14.91
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Daily Operations

Report Start Date 6/6/2014 06:00	Drilled Last 24 Hours (hr) 0.00	End Depth (ftKB) 8,324.0	Avg ROP (ft/hr) 	Drilling Hours (hr) 	Circulating Hours (hr)
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Status at 6 AM
TRIPPING IN THE HOLE.

24 Hour Forecast
TRIP IN THE HOLE. TAG AND DRILL CEMENT FC, SHOE TRACK, SHOE AND 10' FORMATION. PERFORM F.I.T. TO 10 PPG. EMV. DRILL 8 1/2" VERTICAL NEW FORMATION WITH PROSHOT SURVEYS EVERY 90'.

24 Hour Summary

TOOH, LD BHA. PULL WEAR BUSHING. REMOVE ROTATE HEAD & INSTALL FLANGE TO LOG WITH PRESSURE. 2 RUNS - CBL W/ 0 PSI. AND 1000 PSI. INSTALL RTH BOWL AND FLOW LINE. SET WEAR BUSHING. PICK UP 8 1/2" VERTICAL BHA AND TRIP IN THE HOLE.

Geological Activity at Report Time
1ST BONE SPRING LIME @ 8,270' INTERMEDIATE 2, 8,324.0ftKB

Mud Check: 6/6/2014 10:15 @ 8,324.0 ftKB Source:SUCTION

Depth (ftKB) 8,324.0	Density (lb/gal) 8.60	T Flowline (°F) 90.0	Funnel Visc (s/qt) 28	pH 10.00	Gel (10s) (lb/100ft) 1	Gel (10m) (lb/100ft) 1	Gel (30m) (lb/100ft) 1
PV Calc (cP) 1.0	YP Calc (lb/100ft) 1	Vis Brpm 1	Filtrate (mL/30min) 1	FC (1/32") 	HTHP WL (mL/30...) 	HTHP FC (1/32") 	Mud Lost (Hole) ...
LGS (%) 0.1	HGS (%) 	Electric Stab (V) 	MBT 	PI (mL/mL) 0.0	MI (mL/mL) 0.8	Pm (mL/mL) 	Cum Mud Lost to Hole (bbl)
Chlorides (mg/L) 31,000	LCM 	Oil Water Ratio 0/100	Max Background Gas 	Max Connection Gas 	Max Trip Gas 	Max Drill Gas 	

Daily Contacts

Job Contact	Office
SMITH, DEE, SUPERVISOR DRILLING	405-552-4780
BIGGS, JOHN, DRLG SUPERINTENDENT	405-228-7539
CLARK, RYAN, DRILLING ENGINEER	405-228-7241
DAVID GOMBAR, CONSULTANT	575-993-5249
JIMMY SPRINGER, CONSULTANT	575-993-5249
MINOR, SHARON, GEOLOGIST	405-228-8459
STUBBS KEN, FIELD FOREMAN	575-748-5707
WILLIAM BEAN, SAFETY TECH	580-319-8569

Mud Additive Amounts

Additive Desc	Used
DRILLING PAPER	2
MUD ENGINEER	1

PUMP #1 HONG HAU 1600

Pump #	Model	Pump Rating (hp)
1	1600	1,600.0
Liner Size (in)	Stroke Length (in)	Vol/Stk OR (bbl/stk)
6	12.00	0.105
P (psi)	Slow Spd	Strokes (s...)
	Q Flow...	Depth (ftKB)

PUMP #2 HONG HAU 1600

Pump #	Model	Pump Rating (hp)
2	1600	1,600.0
Liner Size (in)	Stroke Length (in)	Vol/Stk OR (bbl/stk)
6	12.00	0.105
P (psi)	Slow Spd	Strokes (s...)
	Q Flow...	Depth (ftKB)

CONDUCTOR @ 148.0 ftKB

Run Date	OD (in)	String Grade	Wt/Len (lb...)
2/21/2014	30	J-55	196.00

SURFACE @ 900.0 ftKB

Run Date	OD (in)	String Grade	Wt/Len (lb...)
5/13/2014	20	J-55	94.00

INTERMEDIATE 1 @ 4,460.0 ftKB

Run Date	OD (in)	String Grade	Wt/Len (lb...)
5/21/2014	13 3/8	L-80 HC	68.00

INTERMEDIATE 2 @ 8,324.0 ftKB

Run Date	OD (in)	String Grade	Wt/Len (lb...)
6/1/2014	9 5/8	HCP-110	43.50

Bulk Supply Amounts

Supply Item Desc	Unit Label	Received	Used	Cum Used	Cum On Loc.
DIESEL FUEL	GAL US	7,001.0	498.0	31,126.0	16,029.0
WATER	BBL	390.0	390.0	52,890.0	0.0

Survey Data

MD (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
6,400.00	0.58	188.74	6,398.85	-8.41	-9.29	20.09	0.15	-0.15
6,500.00	0.42	196.26	6,498.84	-9.27	-10.14	19.91	0.17	-0.16
6,600.00	0.24	191.47	6,598.84	-9.83	-10.70	19.76	0.18	-0.18
6,700.00	0.39	174.47	6,698.84	-10.37	-11.24	19.75	0.18	0.15
6,800.00	0.54	173.76	6,798.84	-11.18	-12.05	19.84	0.15	0.15
6,900.00	0.60	179.54	6,898.83	-12.16	-13.04	19.89	0.08	0.06
7,000.00	0.72	165.18	6,998.83	-13.29	-14.17	20.06	0.20	0.12
7,100.00	0.53	162.45	7,098.82	-14.32	-15.22	20.36	0.19	-0.19
7,200.00	0.44	165.26	7,198.82	-15.12	-16.03	20.59	0.09	-0.09
7,300.00	0.46	157.16	7,298.81	-15.85	-16.77	20.85	0.07	0.02
7,400.00	0.25	150.13	7,398.81	-16.40	-17.33	21.11	0.21	-0.21
7,500.00	0.45	151.28	7,498.81	-16.92	-17.87	21.41	0.20	0.20
7,600.00	0.83	137.94	7,598.80	-17.77	-18.75	22.08	0.41	0.38
7,700.00	0.76	146.14	7,698.79	-18.82	-19.84	22.94	0.13	-0.07
7,800.00	0.85	160.38	7,798.78	-20.04	-21.09	23.56	0.22	0.09
7,900.00	0.82	164.31	7,898.77	-21.41	-22.47	24.00	0.06	-0.03

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Report Printed: 7/7/2014



ALDABRA 25 FEDERAL 2H

WEST UNRESTRICTED

OH

Daily Drilling Batch Without Cost

Rpt #: 29 Date: 6/7/2014 06:00

District	Project Group	Field Name	County	State/Province			
DELAWARE BASIN	DELAWARE BASIN REG	INGLE WELLS	EDDY	NM			
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev.	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)
SEC25 T23S R31E	3001538613	32° 16' 7.914" N	103° 44' 16.294" W	3,484.70	28.00	3,512.70	

Survey Data

MD (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Build (°/100ft)
8,000.00	0.93	155.55	7,998.76	-22.81	-23.90	24.53	0.17	0.11
8,100.00	1.08	159.74	8,098.75	-24.41	-25.52	25.19	0.17	0.15
8,200.00	1.02	167.44	8,198.73	-26.13	-27.28	25.71	0.15	-0.06
8,300.00	0.90	179.19	8,298.71	-27.78	-28.93	25.92	0.23	-0.12

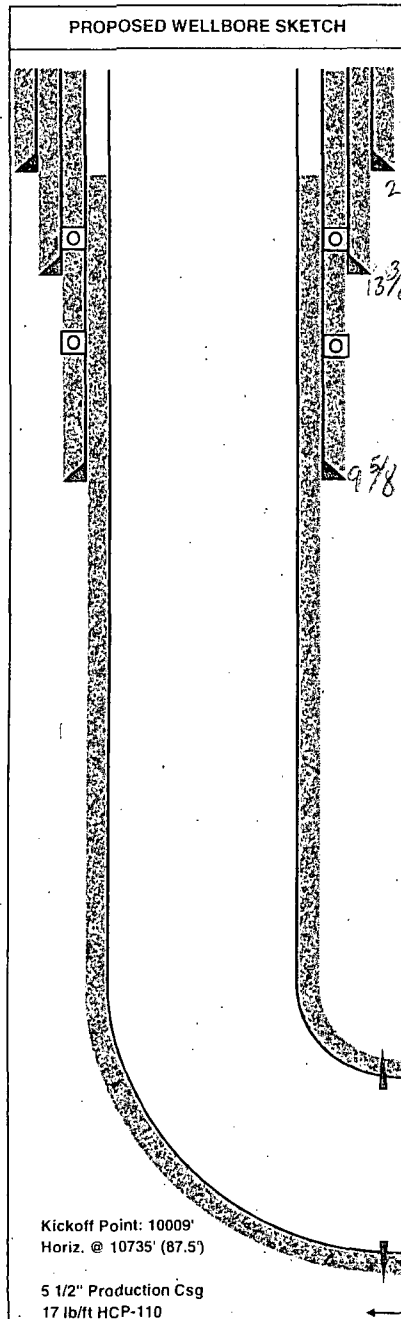
devon	OPERATOR:	LEASE / WELL:	SURFACE SURVEY LOCATION:	WELL SKETCH:
	Devon Energy	Aldabra 25 Fed Com 2H	Sec 25-T23S-R31E	Planned Completion
	DRILLING RIG: Cactus 105	COUNTY / STATE:	SURFACE LOCATION CALL:	FIELD:
	COMPLETION RIG:	Eddy County, NM	200' FSL 685' FWL	Ingle Wells

DIRECTIONAL DATA			
KOP:	10009'		
MAX DEV:	deg @	MD	
	TVD	INC.	MD
TOP PERF:	10427'	68°	10577'
BTM PERF:	10442'	90°	14940'

DRILLING / COMPLETION FLUID	
DRILLING FLUID:	ppg -
DRILLING FLUID:	ppg -
DRILLING FLUID:	ppg -
COMPLETION FLUID:	ppg -
PACKER FLUID:	ppg -

TUBULAR DATA						
Tubulars	Size	Weight	Grade	Thread	TVD	MD
CONDUCTOR	30.000	196.0	J-55		148'	148'
SURFACE	20.000	94.0	J-55	BTC	900'	900'
INTERMEDIATE 1	13.375	68.00	HCL-80	BTC	4460'	4460'
INTERMEDIATE 2	9.625	33.5/40.0	HCL-80	LTC	8324'	8324'
PRODUCTION	5.500	17.00	HCP-110	BTC	10440'	15047'
PRODUCTION LINER						
TUBING						
CEMENT: 5 1/2" Stage 1 Lead: 960 sx Versacem (Yield 2.31 @ 11.9 ppg)						
Tail: 1260 sx Versacem (Yield 1.21 @ 14.5 ppg)						
DV @ Stage 2						

WELLHEAD DATA	
TYPE	
WP	
T R E E	FLANGE:
C A P	THREAD:
TUBING HANGER:	
BTM FLANGE:	
BPV PROFILE:	
ELEVATIONS:	
RKB: 3513'	GROUND ELEVATION
RKB-ELEV: 28'	3485'



Pre-Frac Prep Procedure

WBS #98-03763.02

- Set and test safety anchors. Spot frac tanks and acid tanks. ND B-1 flange & NU 10K frac sleeve and frac stack.
- RU pump truck to test casing to 1000 psi for 30 minutes.
- RUWL. Run CBL from KOP to to surface under 1000 psi and repeat run at 0 psi. Have CBL log emailed to me. POOH-RD WL. TOC must be at least to 4000' per BLM.
- Test casing to 4000 psi. Pressure up on casing to open burst port sub. Pump casing volume plus at least 10 bbls over flush with 2% KCL, if needed pump 1500 gals 15% HCL to establish rate. Note ISIP and 5 min pressure. PU/MU perf guns and solid frac plug, not flow through. RIH, pump plug and guns to 14,950', set plug and perf stg 1 per table below.
- Install gauge for DFIT. Pump DFIT according to procedure to follow.

Planned Perforations - 1st Stage pump down via BPS valve

Stage	Perf Interval	Density	# Holes	CFP Depth
Stage 1 BPS Valve	14,938' - 940'	6 SPF 60°	12	
	14,864' - 866'	6 SPF 60°	12	
	14,790' - 792'	6 SPF 60°	12	
	14,716' - 718'	6 SPF 60°	12	

COMMENTS:

Burst Port Sub @ 14,955'

All clusters @ 60 degree phasing, 0.42" EHD

Marker Joint Tops - 9,772.9'; 11,005.6'; 14,451.4'

DRAWING NOT TO SCALE

API # 3001538613

	TVD	MD
PLUG BACK DEPTH:	10441'	15,000'
TOTAL WELL DEPTH:	10440'	15,047'
PREPARED BY:	DATE:	06/23/14
John Parks	Updated:	