

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARRIBA	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 35,956.59	Cumulative Cost 127,388.44
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 880.0	Depth Progress (ft) 711.00	Depth End (TVD) (ftKB) 878.8
Days LTI (days) 527.00	Days RI (days) 209.00	Hole Condition OPEN HOLE GOOD	Drilling Hours (hrs) 15.50	Average ROP (ft/hr) 45.9
Total AFE Amount 639,960.50		Total AFE Amount 639,960.50		Days From Spud (days) 8.75

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

DRILLING INTERMEDIATE SECTION @ 880-FT

Last 24hr Summary

FINISH & R/D EQUIPMENT F/ BOP TEST. PREPARED & CONDITIONED RIG FLOOR. RIG SERVICE. P/U & M/U 8 3/4' TRICONE BIT & RIH TO CLEAN OUT CEMENT F/ 169-FT TO 234-FT. CIRCULATED ON BOTTOM WHILE TESTING AND CHECKING TELEDRIFT SIGNAL. ERRATIC SIGNAL ON TELEDRIFT. CHANGED LINE FROM BOX TO SENSOR. POOH F/ 234-FT & B/D - L/D 8 3/4" TRI-CONE BIT & BIT SUB. P/U & M/U 6.5" PILOT BIT - 9 7/8" RWD & BIT SUB TO TELEDRIFT & DC ON FLOOR. RIH F/ SURFACE TO 234-FT & DRILLED AHEAD IN OPEN HOLE TO 880-FT, 646 FT - 56 AROP, AVG. TORQUE 6 KLBS, AWOB 8,000 FT-LBS, AVG. FLOW 475 GPM. STRING MAX RPM 70.

24hr Forecast

CONT. DRILLING INTERMEDIATE SECTION

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	07:00	1.00	INTRM1	TREBOP	BOPE	P	234.0	234.0	COMPLETED BOP TEST & R/D TESTING EQUIPMENT
07:00	08:30	1.50	INTRM1	DRILL	RURD	P	234.0	234.0	CONDITIONED RIG FLOOR. FINISH R/U PIPE WRANGLER. STRAP & TALLY BHA. INSTALL CAMERA IN DERRICK.
08:30	09:00	0.50	INTRM1	RIGMNT	SVRG	P	234.0	234.0	RIG SERVICE
09:00	10:00	1.00	INTRM1	DRILL	TRIP	P	234.0	234.0	P/U & M/U 8 3/4' TRICONE BIT, BIT SUB, TELEDRIFT & DC'S & RIH F/ SURFACE TO 169-FT TAGGED CEMENT.
10:00	14:00	4.00	INTRM1	CEMENT	DRLG	P	234.0	234.0	DRILL OUT CEMENT F/ 169-FT TO 234-FT
14:00	14:30	0.50	INTRM1	DRILL	CIRC	P	234.0	234.0	CIRCULATED HOLE WHILE TESTING TELEDRIFT. ERRATIC SIGNAL. CHANGED OUT TELEDRIFT BOX AND LINE.
14:30	15:30	1.00	INTRM1	DRILL	PULD	P	234.0	234.0	POOH F/ 234-FT TO SURFACE B/D & L/D 8 3/4" BIT AND BIT SUB.
15:30	16:30	1.00	INTRM1	DRILL	PULD	P	234.0	234.0	P/U & M/U BI-CENTER BIT; 6.5" PILOT BIT + 9 7/8" RWD REAMER S/N 7007256. BIT SUB, TELEDRIFT + 1 DC'S.
16:30	18:30	2.00	INTRM1	DRILL	TRIP	P	234.0	234.0	RIH F/ SURFACE TO 234-FT
18:30	06:00	11.50	INTRM1	DRILL	DRLG	P	234.0	880.0	DRILLED F/ 234-FT TO 880-FT, 646 FT - 56 AROP, AVG. TORQUE 6 KLBS, AWOB 8,000 FT-LBS, AVG. FLOW 475 GPM. STRING MAX RPM 70. RUN A TOTAL OF 10 DC'S IN HOLE.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	17.00	17.00
DAWN TRUCKING	TRUCKER	CONTRACTOR	2	1.00	2.00
DIAL OIL COMPANY	FUEL HAULER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	24.00	24.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	ROUSTABOUT CREW	CONTRACTOR	5	8.00	40.00
H & P DRILLING	WELDER	CONTRACTOR	1	8.00	8.00
KEY ENERGY SERVICES	VENDOR	CONTRACTOR	1	0.50	0.50
KEY ENERGY SERVICES	TRUCKER	CONTRACTOR	1	6.50	6.50

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
ROCKY MOUNTAIN PROPANE	TRUCKER	CONTRACTOR	1	1.00	1.00
UPSTREAM INT	ONSITE SUPERVISOR	CONTRACTOR	1	4.00	4.00
WILSON SERVICE CO	TOOL HAND	CONTRACTOR	1	1.50	1.50

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Water Base							
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
8.40	27						
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filtr (mL/3...	API Cake (/32")
					11.0		Oil Water Ratio
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
				10.0			Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	16	JSA/GO
STOP INTERVENTIONS	16	STOP CARDS

Safety Meetings / Operational Checks

Date	Type	Description
11/1/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/2/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
GARDNER DENVER	HD 2250	1	785.0	790.0	No	105	8.00	95
GARDNER DENVER	HD 2250	2	785.0	790.0	No	105	8.00	95

Drill Bit - 8 3/4in, 6012736, GTS1, A86170

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	Rlr Cone	8 3/4	6012736	GTS1	A86170
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
169.0	234.0	65.00	4.00	16.3	
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----		50	50	2	2

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Bit Sub	1	6 1/2	2.500	3.98	3.98				XH		21	231.51
Teledrift	1	6 1/2	2.500	8.38	8.38				XH		21	227.53
Drill Collar	7	6 1/2	2.500	218.15	218.15	20,962.0			XH		21	219.15

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
169.0	234.0	65.00	4.00	16.3	375	2,000.0	50				

Drill Bit - 6 1/2in, Hughes Christensen, HC505Z, 7301113

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	PDC	6 1/2	Hughes Christensen	HC505Z	7301113
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
234.0	1,016.0	782.00	14.00	55.9	0.68
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----	11/11/12/11/12/11/11	65	70	8	9

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
RWD	1	9 7/8	2.500	1.50	1.50				XH		40	698.86
Bit Sub	1	6 1/2	2.500	3.50	3.50				XH		40	697.36
Teledrift	1	6 1/2	2.500	8.38	8.38				XH		40	693.86
Drill Collar	10	6 1/2	2.500	311.62	311.62	29,943.6			XH		40	685.48
XO Sub	1	6 1/4	2.750	3.66	3.66				XH		10	373.86
HWDP	12	4	2.750	369.20	369.20	10,042.2			XH		10	370.20

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int. ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (%)	dP (SPP) (psi)
234.0	880.0	646.00	11.50	56.2	475	8,000.0	70		6,000.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
421.00	1.00	0.00						TEL
624.00	2.00	0.00						TEL
829.00	1.00	0.00						TEL

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Comment

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARRIBA	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Sub Type Production
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) (7,603.0)	Daily Cost Total (27,181.92)	Cumulative Cost 154,570.36
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 1,330.0	Depth Progress (ft) 450.00	Depth End (TVD) (ftKB) 1,324.3
Days LTI (days) 528.00	Days RI (days) 210.00	Hole Condition OPEN HOLE GOOD	Drilling Hours (hrs) 13.00	Average ROP (ft/hr) 34.6
Days From Spud (days) 9.75				

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

DRILLING W/ 8 3/4" TRI-CONE @ 1330-FT

Last 24hr Summary

CONT. DRILLING W/ BI-CENTER BIT; 6.5" PILOT BIT + 9 7/8" RWD. DRILLED F/ 880-FT TO 1016-FT. RUN TOTCO WIRELINE SURVEY & RESULTED IN 10 DEGREES INCL. DECIDED TO POOH & RUN TOTCO SURVEY TO CONFIRM TELEDRIFT READINGS & RESULTED IN; 6 DEGREES @ 835-FT & 2.5 DEGREES @ 637-FT, DEMONSTRATING BAD READING ON TELEDRIFT. POOH TO SURFACE & P/U - M/U GT 09C TRI-CONE BIT & CHANGED TELEDRIFT TOOL, TO RIH & CORRECT DEVIATION. STOPED @ 699-FT & RUN A TELEDRIFT SURVEY RESULTING IN 3 DEGREES INCL. CONT RIN TO 1016-FT & RUN TELEDRIFT SURVEY AGAIN BEFORE RE-STARTING TO DRILL & RESULTED IN A MORE THAN 6 DEGREES READING SHOWING GOOD TELEDRIFT FUNCTION. DRILLED INTERMEDIATE 8 3/4" SECTION F/ 1016-FT TO 1195-FT. RUN A TOTCO WIRELINE SURVEY RESULTING IN 8 DEGREES INCL. ANGLE DROP 2 DEGREES. CONT. DRILLING AHEAD F/ 1195-FT TO 1330-FT.

24hr Forecast

CONT. DRILLING AHEAD W/ 8 3/4" TRICONE BIT TO DROP INCL. ANGLE.

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:30	2.50	INTRM1	DRILL	DRLG	P	880.0	1,016.0	CONT. DRILLING F/ 880 TO 1016-FT
08:30	09:00	0.50	INTRM1	DRILL	SRVY	P	1,016.0	1,016.0	RUN TWO TELEDRIFT SURVEYS @ 1016-FT RESULTING OVER 6 DEGREES.
09:00	10:00	1.00	INTRM1	EVALWB	RURD	T	1,016.0	1,016.0	R/U WIRELINE WHILE CIRCULATING HOLE.
10:00	10:30	0.50	INTRM1	EVALWB	SRVY	T	1,016.0	1,016.0	RUN TOTCO SURVEY @ 1016-FT TWICE RESULTING IN 9 & 10 DEGREES.
10:30	11:00	0.50	INTRM1	EVALWB	CIRC	T	1,016.0	1,016.0	CIRCULATED & CONDITIONED HOLE.
11:00	12:00	1.00	INTRM1	EVALWB	SRVY	T	1,016.0	1,016.0	POOH TO 835-FT. RUN WIRELINE TOTCO SURVEY RESULTING IN 6 DEGREE INCL.
12:00	13:00	1.00	INTRM1	EVALWB	SRVY	T	1,016.0	1,016.0	CONT. POOH TO 637-FT & RUN TOTCO WIRE LINE SURVEY RESULTING IN 3 DEGREES INCL.
13:00	14:00	1.00	INTRM1	DRILL	TRIP	T	1,016.0	1,016.0	CONT. POOH TO SURFACE.
14:00	15:00	1.00	INTRM1	DRILL	RURD	T	1,016.0	1,016.0	R/U SCORPION TO FLOOR & B/D - L/D BI-CENTER BIT; 6.5" PILOT BIT + RWD 9 7/8" REAMER.
15:00	16:00	1.00	INTRM1	DRILL	PULD	T	1,016.0	1,016.0	REPLACED TELEDRIFT TOOL F/ SUB, NO OBSTRUCTIONS OBSERVED. FUCTION TEST NEW TELEDRIFT TOOL SUCCESSFULLY.
16:00	17:00	1.00	INTRM1	DRILL	SRVY	T	1,016.0	1,016.0	RIH F/ SURFACE TO 699-FT & RUN TELEDRIFT SURVEY RESULTIN IN 3 DREEGRESS INCL.
17:00	17:30	0.50	INTRM1	RIGMNT	SVRG	P	1,016.0	1,016.0	RIG SERVICE
17:30	18:30	1.00	INTRM1	DRILL	SRVY	T	1,016.0	1,016.0	CONT. RIH TO 879-FT & RUN TELEDRIFT SURVEY RESULTING IN 3 DEGREES INCL.
18:30	19:00	0.50	INTRM1	DRILL	SRVY	T	1,016.0	1,016.0	CONT RIH TO 1016-FT & CHANGED OUT SLIPS. RUN TELEDRIFT SURVEY RESULTING IN MORE THAN 7 DEGREES INCL. TOOL SUCCESSFULLY WORKING.

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
19:00	01:30	6.50	INTRM1	DRILL	DRLG	T	1,016.0	1,195.0	DRILLED INTERMEDIATE SECTION W/ GT 09C 8 3/4' TRICONE BIT, F/ 1016-FT TO 1195-FT, 179-FT - 27 FT/HR, 110 RPM, WOB 9000 LBS. 480 GPM. TOOK A TELEDRIFT SURVEY @ 1195-FT RESULTING IN 5.5 DEGREES INCL.
01:30	02:00	0.50	INTRM1	EVALWB	SRVY	T	1,195.0	1,195.0	RUN A TOTCO WIRELINE SURVEY RESULTING IN 8 DEGREES INCL. ANGLE DROP ONLY 2 DEGREES.
02:00	06:00	4.00	INTRM1	DRILL	DRLG	P	1,195.0	1,330.0	CONT. DRILLING INTERMEDIATE SECTION W/ GT 09C 8 3/4' TRICONE BIT, F/ 1195-FT TO 1330-FT, 135-FT - 33 FT/HR, 140 RPM, WOB 5000 LBS. 480 GPM.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
BEE LINE TRUCKING, INC	TRUCKER	CONTRACTOR	1	1.00	1.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	24.00	24.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Water Base			0.0		300.000	440.000	
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
8.40	31	120.0	1.0	1.000	3	2	
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filtr (mL/3...	API Cake (/32")
		1.0	1.0		9.6		1
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
					11.0	0.200	0.300
							Pf (mL/mL)
							0.100

Observation Cards (BST, STOP, etc)

Observ Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	16	JSA/GO
STOP INTERVENTIONS	17	STOP CARDS

Safety Meetings / Operational Checks

Date	Type	Description
11/2/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/3/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff. (%)
GARDNER DENVER	HD 2250	1	1,330.0	795.0	No	107	8.00	95
GARDNER DENVER	HD 2250	2	1,330.0	795.0	No	107	8.00	95

Drill Bit - 6 1/2in, Hughes Christensen, HC505Z, 7301113

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	PDC	6 1/2	Hughes Christensen	HC505Z	7301113
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
234.0	1,016.0	782.00	14.00	55.9	0.68
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----	11/11/12/11/12/11/11	65	70	8	9

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
RWD	1	9 7/8	2.500	1.50	1.50				XH		40	698.86
Bit Sub	1	6 1/2	2.500	3.50	3.50				XH		40	697.36
Teledrift	1	6 1/2	2.500	8.38	8.38				XH		40	693.86
Drill Collar	10	6 1/2	2.500	311.62	311.62	29,943.6			XH		40	685.48
XO Sub	1	6 1/4	2.750	3.66	3.66				XH		10	373.86
HWDP	12	4	2.750	369.20	369.20	10,042.2			XH		10	370.20

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
880.0	1,016.0	782.00	2.50	54.4	750	9,000.0	65		4,000.0		

Drill Bit: 8 3/4in, Hughes-christensen, GT 09C, 6126552

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	Rlr Cone	8 3/4	Hughes-christensen	GT 09C	6126552
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
1,016.0	1,598.0	582.00	23.50	24.8	0.75
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----	18/18/18	110	140	5	18

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Bitm Conn Sz (in)	Top Conn Sz (in)	Bitm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Bit Sub		6 1/2	2.500	3.50						XH	40	697.36
Teledrift		6 1/2	2.500	8.38						XH	40	693.86
Drill Collar		6 1/2	2.500	311.62		29,943.6				XH	40	685.48
XO Sub		6 1/4	2.750	3.66						XH	10	373.86
HWDP		4	2.750	369.20		10,042.2				XH	10	370.20

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
1,016.0	1,195.0	179.00	6.50	27.5	465	9,000.0	110		4,000.0		
1,195.0	1,330.0	314.00	4.00	33.8	475	5,000.0	140		4,000.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
835.00	6.00	0.00						Incl
1,016.00	10.00	0.00						Incl
1,195.00	8.00	0.00						Incl

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lb/ft)	Dens Fluid (lb/gal)	P. (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH		Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARRIBA	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development	Well Sub Type Production
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457	Total AFE Amount 639,960.50
Last Casing String		Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 10,529.75	Cumulative Cost 10,529.75
Rig MOTE DRILLING, MOTE 209		Wellbore Original Hole	Depth End (ftKB) 234.0	Depth Progress (ft) 218.00	Depth End (TVD) (ftKB) 234.0
Days LTI (days)	Days RI (days)	Hole Condition	Drilling Hours (hrs) 3.50	Average ROP (ft/hr) 62.3	Days From Spud (days) 0.21
Drilling Contact Perkins, Russell					
Comment					

Daily Ops Summary

Ops and Depth @ Morning Report

PREP TO RUN CASING AND CEMENT

Last 24hr Summary

MIRU, DRILL 12 1/4" WITH AIR TO 234' (KB), SDFN.

24hr Forecast

RUN CSG AND CEMENT.

General Remarks

Responsible Daily Contacts

Contact Name	Title	Phone Work
MOBLEY CRAIG	ONSITE SUPERVISOR	505-320-0126
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESSIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
07:00	12:00	5.00	MIRU	MOVE	MOB	P	16.0	16.0	MOVE TO LOCATION, WAIT ON PITLINERS TO FINISH LINING, AND FENCING PIT, MEASURE, AND RIG UP.
12:00	12:15	0.25	SURFAC	DRILL	SFTY	P	16.0	16.0	TAIL GATE SAFETY MEETING WITH CRAIG AND CREW.
12:15	14:00	1.75	SURFAC	DRILL	DRLG	P	16.0	130.0	DRILL 12 1/4' WITH AIR MIST FROM 0 TO 130'.
14:00	14:15	0.25	SURFAC	DRILL	SRVY	P	130.0	130.0	SURVEY DEVIATION @ 130', 3/4 DEGREE.
14:15	16:00	1.75	SURFAC	DRILL	DRLG	P	130.0	234.0	DRILL WITH AIR MIST FROM 130' TO TD @ 234'. CONDITION HOLE WITH AIR MIST.
16:00	16:30	0.50	SURFAC	DRILL	SRVY	P	234.0	234.0	SURVEY DEVIATION @ 230', 1 1/4 DEGREE.
16:30	17:00	0.50	SURFAC	DRILL	TRIP	P	234.0	234.0	TOH WITH DRILL STRING AND BHA.SDFN.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
MO TE DRLG INC	RIG CREW	CONTRACTOR	3	10.00	30.00
MO TE DRLG INC	ONSITE SUPERVISOR	CONTRACTOR	1	10.00	10.00
MONARCH HOT SHOT	OTHER	CONTRACTOR	1	2.00	2.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filt (mL/3...	API Cake (/32")
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
							Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ Type	No. Rpts	Comment

Safety Meetings / Operational Checks

Date	Type	Description
10/24/2007 12:00	Pre-Spud Inspection	

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)



Daily Drilling Report

SAN JUAN 29-7 UNIT #58N

Report Date: 10/24/2007
Report #: 1
Actual Days: 0.42

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
					No			

Drill Bit - 12 1/4in. Reed-Hycalog, HP43A, DH1131

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
3	Insert	12 1/4	Reed-Hycalog	HP43A	DH1131
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
16.0	234.0	218.00	3.50	62.3	0.60
IADC Bit Dull	Nozzles (3/2")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----	28	90	90	2	2

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Drill Pipe		4 1/2	3.750	160.00		1,664.0	2 7/8	2 7/8	IF	IF	5	238.85
Drill Collar		4 1/2	1.500	60.00		2,902.8	2 7/8	2 7/8	IF	IF	3	78.85
Drill Collar		6	2.500	16.10			2 7/8	2 7/8	IF	IF	0	18.85
Bit Sub		7 1/8	2.151	2.00			6 5/8	2 7/8	IF	Reg	0	2.75

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (%)	dR (SPP) (psi)
16.0	234.0	218.00	3.50	62.3		2,000.0	90				

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
130.00	0.75							A1 SureShot
230.00	1.25							A1 SureShot

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Sub Type Production
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 4,044.75	Cumulative Cost 14,574.50
Rig MOTÉ DRILLING, MOTÉ 209	Wellbore Original Hole	Depth End (ftKB) 234.0	Depth Progress (ft) 0.00	Depth End (TVD) (ftKB) 234.0
Days LTI (days)	Days RI (days)	Hole Condition	Drilling Hours (hrs)	Average ROP (ft/hr)
				Days From Spud (days) 1.04

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

WAIT ON DRILLING RIG

Last 24hr Summary

TIH TO TAG FILL, NO FILL, TOH, RUN CSG, CEMENT, (CIRCULATE 3 BBL CEMENT TO SURFACE), WOC, RDMO.

24hr Forecast

???

General Remarks

Responsible Daily Contacts

Contact Name	Title	Phone Work
MOBLEY CRAIG	ONSITE SUPERVISOR	505-320-0126
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
09:00	09:15	0.25	SURFAC	DRILL	SFTY	P	234.0	234.0	TAIL GATE SAFETY MEETING WITH CRAIG AND CREW.
09:15	09:45	0.50	SURFAC	DRILL	TRIP	P	234.0	234.0	TIH TO TAG FILL, NO FILL, TOH WITH DRILL STRING AND BHA.
09:45	10:30	0.75	SURFAC	CASING	RNCS	P	234.0	234.0	RIG UP AND RUN 7 JTS. 9 5/8" H-40, 32.3#, ST&C CASING. SET @ 230.03'. TORQUE TO 2400 FT/LBS.
10:30	11:00	0.50	SURFAC	CEMENT	CIRC	P	234.0	234.0	PUMP 10 BBL H2O, DUMP 76 SXS, (21.6 BBL SLURRY) TYPE I-II CEMENT WITH 20% FLYASH @ 14.5 PPG INTO CASING. DROP PLUG AND DISPLACE WITH 13.5 BBL H2O. CIRCULATED 4 BBL CEMENT TO SURFACE.
11:00	12:00	1.00	SURFAC	CEMENT	WOC	P	234.0	234.0	WOC
12:00	13:00	1.00	SURFAC	MOVE	RURD	P	234.0	234.0	RIG DOWN, DIG CELLAR, CLEAN UP AND MOVE OFF.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
MO TE DRLG INC	RIG CREW	CONTRACTOR	3	4.00	12.00
MO TE DRLG INC	ONSITE SUPERVISOR	CONTRACTOR	1	4.00	4.00
MOTÉ DRILLING	CMT CREW	CONTRACTOR	1	2.00	2.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 300rpm (rpm)	Vis 200rpm	Vis 100rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filt (mL/3...	API Cake (/32")
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
							Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ Type	No. Rpts	Comment

Safety Meetings / Operational Checks

Date	Type	Description
10/25/2007 09:00	Pre-Job Safety Meeting	

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
					No			

Drill Bit

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in ²)
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)

Drill String Components

Item Description	Tally Jls	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (")	dP (SPP) (psi)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Daily Drilling Report

SAN JUAN 29-7 UNIT #58N

Report Date: 10/31/2007
Report #: 3
Actual Days: 1.40

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 76,857.35	Cumulative Cost 91,431.85
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 234.0	Depth Progress (ft) 0.00	Depth End (TVD) (ftKB) 234.0
Days LTI (days) 526.00	Days RI (days) 208.00	Hole Condition SURFACE CASED & CEMENTED	Drilling Hours (hrs)	Average ROP (ft/hr)
				Days From Spud (days) 7.75

Drilling Contact

Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

TESTING FLOOR VALVES

Last 24hr Summary

RIG DOWN, MOVE AND RIG UP, TORQUE WELLHEAD, NIPPLE AND TEST BOPS, TEST CASING 600 PSI 30 MIN OK, TEST FLOOR VALVES

24hr Forecast

FINISH TESTING, MAKE UP 8 3/4" BIT & BHA, DRILL CEMENT, POOH, CHANGE BITS, TIH, DRILL 9 7/8" HOLE WITH RWD

General Remarks

1 INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
STEWART JIM	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
10:30	13:30	3.00	DEMOB	MOVE	DMOB	P	234.0	234.0	RIG DOWN AND MOVE
13:30	21:00	7.50	MIRU	MOVE	RURD	P	234.0	234.0	RIG UP
21:00	22:00	1.00	INTRM1	TREBOP	RURD	P	234.0	234.0	PICK UP DC AND TORQUE WELLHEAD, L/D DC
22:00	01:00	3.00	INTRM1	TREBOP	NUND	P	234.0	234.0	NIPPLE UP BOP
01:00	02:00	1.00	INTRM1	TREBOP	OTHR	P	234.0	234.0	RIG UP STANDPIPE
02:00	05:00	3.00	INTRM1	TREBOP	BOPE	P	234.0	234.0	TEST BLIND RAMS, PIPE RAMS, ALL VALVES AND CHOKE MANIFOLD 250 PSI AND 3000 PSI 10 MIN OK, TEST ANNULAR TO 250 PSI AND 1500 PSI OK
05:00	05:30	0.50	INTRM1	CASING	DHEQ	P	234.0	234.0	TEST CASING 600 PSI 30 MIN OK
05:30	06:00	0.50	INTRM1	TREBOP	BOPE	P	234.0	234.0	TEST FLOOR VALVES. IBOP, SAFETY VALVE, INSIDE BOP, 250 PSI LOW AND 3000 PSI HIGH, FUNCTION TEST KOOMEY

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
DASH TRASH DISPOSAL	TRUCKER	CONTRACTOR	1	2.00	2.00
DAWN TRUCKING	TRUCKER	CONTRACTOR	2	6.00	12.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	19.50	19.50
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	TRUCKER	CONTRACTOR	10	8.00	80.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	8.00	8.00
H & P DRILLING	RIG CREW	CONTRACTOR	4	12.00	48.00
KEY ENERGY SERVICES	TRUCKER	CONTRACTOR	1	12.00	12.00
SIMONS PETROLEUM	OTHER	CONTRACTOR	1	8.00	8.00
UPSTREAM INT	ONSITE SUPERVISOR	CONTRACTOR	1	19.50	19.50
WATER MACHINE	PORTABLE TOILET HAND	CONTRACTOR	2	2.00	4.00
WILSON SERVICE CO	OTHER	CONTRACTOR	1	4.00	4.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...	
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm	Vis 100rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filt (mL/3...	API Cake (/32")	Oil Water Ratio
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)	Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	18	JSA/GO
STOP INTERVENTIONS	12	STOP CARDS

Safety Meetings / Operational Checks

Date	Type	Description
10/31/2007 11:00	Pre-Job Safety Meeting	RIG MOVE SAFETY MEETING
10/31/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/1/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No	Make	Model	Screen No	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
					No			

Drill Bit - <Drill Bit?>

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)

Drill String Components

Item Description	Tally Jls	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Comment
Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 27,606.31	Cumulative Cost 182,176.67
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 1,819.0	Depth Progress (ft) 489.00	Depth End (TVD) (ftKB) 1,811.9
Days LTI (days) 529.00	Days RI (days) 211.00	Hole Condition OPEN HOLE GOOD	Drilling Hours (hrs) 16.00	Average ROP (ft/hr) 30.6
Drilling Contact Perkins, Russell	Comment			

Daily Ops Summary

Ops and Depth @ Morning Report

DRILLING AHEAD INTERMEDIATE SECTION @ 1819-FT

Last 24hr Summary

CONT. DRILLING 8 3/4" INTERMEDIATE SECTION F/1330-FT OT 1598-FT W/ TRI-CONE BIT GT 09C. 268-FT - AROP 22 FT/HR. AWOB- 12 KLBS, AVG. FLOW RATE 466 GPM & AVG. RPM 130. RECOVERED VERTICALITY DROPPING INCLINATION ANGLE F/ 8 TO 4 DEGREES. POOH TO CHANGE BHA TO A 8 3/4" PDB 506ZX BIT & MOTOR. M/U NEW BHA & RIH W/ 8 3/4" PDC BIT, DOWN HOLE MOTOR, 10 DC'S, 12 HWDP & DP, TO 1125-FT. WASHDOWN HOLE REAMING IN F/ 1125-FT TO 1598-FT. CONT. DRILLING AHEAD IN NEW HOLE F/ 1598-FT TO 1819-FT.

24hr Forecast

CONT. DRILLING INTERMEDIATE SECTION

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESSIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	OpSub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	09:30	3.50	INTRM1	DRILL	DRLG	P	1,330.0	1,420.0	CONT. DRILLING F/ 1330-FT TO 1420-FT, 90-FT - 26 FT/HR. WOB 12 KLBS, 130 RPM, 466 GPM.
09:30	10:00	0.50	INTRM1	EVALWB	SRVY	T	1,420.0	1,420.0	RUN TELEDRIFT & TOTCO SURVEY, BOTH RESULTING IN 6 DEGREES INCLINATION
10:00	15:00	5.00	INTRM1	DRILL	DRLG	P	1,420.0	1,511.0	CONT. DRILLING F/ 1420-FT TO 1511-FT, 91-FT - 18 FT/HR. WOB 14 KLBS, 120 RPM, 466 GPM.
15:00	15:30	0.50	INTRM1	RIGMNT	SVRG	P	1,511.0	1,511.0	RIG SERVICE
15:30	17:30	2.00	INTRM1	DRILL	DRLG	P	1,511.0	1,528.0	CONT. DRILLING F/ 1511-FT TO 1528-FT, 17-FT - 8.5 FT/HR. WOB 14 KLBS, 120 RPM, 466 GPM.
17:30	18:00	0.50	INTRM1	EVALWB	SRVY	T	1,528.0	1,528.0	RUN WIRELINE TOTCO SURVEY & RESULTED IN 5 DEGREES INCL. WILL TRY TO KEEP DRILLING W/ TRI-CONE BIT TO AIM FOR 4 DEGREES INCL.
18:00	20:30	2.50	INTRM1	DRILL	DRLG	P	1,528.0	1,598.0	CONT. DRILLING F/ 1528-FT TO 1598-FT, 70-FT - 28 FT/HR. WOB 18 KLBS, 140 RPM, 466 GPM.
20:30	21:00	0.50	INTRM1	EVALWB	SRVY	T	1,598.0	1,598.0	RUN TELEDRIFT & TOTCO SURVEY & RESULTED IN A 4 DEGREES INCL. BOTH CASES.
21:00	21:30	0.50	INTRM1	EVALWB	CIRC	T	1,598.0	1,598.0	CIRCULATED & CONDITIONED HOLE.
21:30	23:30	2.00	INTRM1	DRILL	TRIP	T	1,598.0	1,598.0	POOH F/ 1598-FT TO SURFACE. L/D 8 3/4" BIT & BIT SUB, P/U PDC BIT OL 506ZX & DOWNHOLE MOTOR.
23:30	01:30	2.00	INTRM1	DRILL	PULD	T	1,598.0	1,598.0	M/U & RIH WITH 8 3/4" PDC BIT, DOWN HOLE MOTOR, 10 DC'S, 12 HWDP & DP, TO 1125-FT
01:30	03:00	1.50	INTRM1	DRILL	REAM	T	1,598.0	1,598.0	WASH DOWN HOLE REAMING IN F/ 1125-FT TO 1598-FT.
03:00	06:00	3.00	INTRM1	DRILL	DRLG	P	1,598.0	1,819.0	CONT. DRILLING AHEAD IN NEW HOLE F/ 1598-FT TO 1819-FT, 221-FT - 74 FT/HR. WOB 12 KLBS, STRING 70 RPM, MOTOR 112 RPM, 475 GPM. TOTAL RPM 182.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot. Time (hrs)
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	24.00	24.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...	
Water Base			25.0	2.0	400.000	520.000		
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm	Vis 100rpm
8.70	31		6.0	2.000	14	8		
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filtr (mL/3...	API Cake (/32")	Oil Water Ratio
		1.0	1.0		6.6			0/100
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)	Pf (mL/mL)
					11.0	0.200	0.200	0.050

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	18	JSA/GO
STOP INTERVENTIONS	16	STOP CARDS

Safety Meetings / Operational Checks

Date	Type	Description
11/3/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/4/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
GARDNER DENVER	HD 2250	1	1,819.0	1,520.0	No	105	8.00	95
GARDNER DENVER	HD 2250	2	1,819.0	1,380.0	No	105	8.00	95

Drill Bit - 8 3/4in, Hughes-christensen, GT 09C , 6126552

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	Rlr Cone	8 3/4	Hughes-christensen	GT 09C	6126552
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
1,016.0	1,598.0	582.00	23.50	24.8	0.75
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----	18/18/18	110	140	5	18

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Bit Sub		6 1/2	2.500	3.50						XH	40	697.36
Teledrift		6 1/2	2.500	8.38						XH	40	693.86
Drill Collar		6 1/2	2.500	311.62		29,943.6				XH	40	685.48
XO Sub		6 1/4	2.750	3.66						XH	10	373.86
HWDP		4	2.750	369.20		10,042.2				XH	10	370.20

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
1,330.0	1,420.0	404.00	3.50	25.7	466	12,000.0	130		1,500.0		
1,420.0	1,511.0	495.00	5.00	18.2	466	14,000.0	120		1,500.0		
1,511.0	1,528.0	512.00	2.00	8.5	466	14,000.0	120		1,500.0		
1,528.0	1,598.0	582.00	2.50	28.0	475	18,000.0	140		2,500.0		

Drill Bit - 8 3/4in, Hughes Christensen , HC506ZX , 7011920

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	PDC	8 3/4	Hughes Christensen	HC506ZX	7011920
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
1,598.0	3,430.0	1,832.00	33.00	55.5	
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----		145	180	12	18

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Motor	1	6 1/2	2.500	35.44	35.44					XH	40	729.32
Teledrift	1	6 1/2	2.500	8.38	8.38					XH	40	693.88

Drill String Components

Item Description	Tally Jls	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Drill Collar	10	6 1/2	2.500	311.60	311.60	29,941.6				XH	40	685.50
XO Sub	1	6 1/4	2.750	3.66	3.66					XH	10	373.90
HWDP	12	4	2.750	369.24	369.24	10,043.3				XH	10	370.24

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (%)	dP (SPP) (psi)
1,598.0	1,819.0	221.00	3.00	73.7	475	12,000.0	180		3,500.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
1,420.00	6.00	0.00						Incl
1,528.00	5.00	0.00						Incl
1,598.00	4.00	0.00						Incl
1,819.00	3.00	0.00						TEL

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 25,454.88	Cumulative Cost 207,631.55
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 3,042.0	Depth Progress (ft) 1,223.00	Depth End (TVD) (ftKB) 3,034.2
Days LTI (days) 530.00	Days RI (days) 212.00	Hole Condition OPEN HOLE GOOD	Drilling Hours (hrs) 23.00	Average ROP (ft/hr) 53.2
				Days From Spud (days) 11.75

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

DRILLING 8 3/4" INTERMEDIATE SECTION @ 3042-FT

Last 24hr Summary

CONT. DRILLING AHEAD F/ 1819-FT TO 3042-FT, 1223-FT - AROP 53 FT/HR, STRING AVG. RPM 50 -60, MOTOR AVRG. RPM 100, AWOB 14000 LBS. WHEN DRILLING F/ 1819-FT TO 2446-FT HAD PUMP PROBLEMS & DRILLED W/ ONE PUMP AT THE TIME W/ 355 GPM. CHANGED 5 PUMP SEATS & VALVES IN TOTAL.

24hr Forecast

TD INTERMEDIATE, POOH & RIH W/ 7" CSG.

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	17:00	11.00	INTRM1	DRILL	DRLG	P	1,819.0	2,446.0	CONT. DRILLING AHEAD F/ 1819-FT TO 2446-FT, 627-FT - 57 FT/HR. WOB 12 KLBS, STRING 60 RPM, MOTOR 85 RPM, 355 GPM. TOTAL RPM 145. CHANGING PUMPS SEATS, WORKING ONE PUMP AT THE TIME. RUN TELEDRIFT SURVEY @ 1859-FT = 3 DEGREES INCL., @ 2175-FT = 2 DEGREES INCL. & 2446-FT = 2 DEGREES INCL.
17:00	17:30	0.50	INTRM1	RIGMNT	SVRG	P	2,446.0	2,446.0	RIG SERVICE
17:30	18:00	0.50	INTRM1	DRILL	DRLG	P	2,446.0	2,470.0	CONT. DRILLING AHEAD F/ 2446-FT TO 2470-FT, 24-FT - 48 FT/HR. WOB 12 KLBS, STRING 60 RPM, MOTOR 85 RPM, 355 GPM. TOTAL RPM 145.
18:00	18:30	0.50	INTRM1	RIGMNT	RGRP	T	2,470.0	2,470.0	PUMP # 1 FAIL AGAIN. CHANGE OUT DIFFERENT SEAT ON CYLINDER. CIRCULATED & RECIPROCATED STRING USING PUMP #2
18:30	06:00	11.50	INTRM1	DRILL	DRLG	P	2,470.0	3,042.0	CONT. DRILLING AHEAD F/ 2470-FT TO 3042-FT, 572-FT - 50 FT/HR. WOB 17 KLBS, STRING 60 RPM, MOTOR 114 RPM, 475 GPM. TOTAL RPM 174.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	24.00	24.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	ROUSTABOUT CREW	CONTRACTOR	1	2.00	2.00

Mud Data

Type Water Base	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L) 520.000	ECD - Manual Entr...
Density (lb/gal) 8.70	Vis (s/qt) 57	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...)	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...) 2.0	Gel (10m) (lb/1...) 3.0	Gel (30m) (lb/1...)	API Filtrate (mL/...) 7.0	HTHP Filtr (mL/3...)	API Cake (/32") 1
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...)	Active Mud Vol...	T (fl) (°F)	pH 9.0	Pm (mL/mL)	Mf (mL/mL)
							Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ Type	No. Rpls	Comment
JSA / GO CARD DISCUSSION	17	JSA/GO
STOP INTERVENTIONS	16	STOP CARDS HIGHLIGHTS: OBSERVED WORKER RIH WIRELINE WITH USING A PAIR OF GLOVES. ADVISED HIM TO PUT ON ALL HIS PPE & WORKER UNDERSTOOD.

Safety Meetings / Operational Checks

Date	Type	Description
11/4/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/5/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
GARDNER DENVER	HD 2250	1	2,985.0	1,380.0	No	105	8.00	95
GARDNER DENVER	HD 2250	2	2,985.0	1,520.0	No	105	8.00	95

Drill Bit - 8 3/4in, Hughes Christensen, HC506ZX, 7011920

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	PDC	8 3/4	Hughes Christensen	HC506ZX	7011920
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
1,598.0	3,430.0	1,832.00	33.00	55.5	
IADC Bit Dull	Nozzles (#32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----		145	180	12	18

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Motor	1	6 1/2	2.500	35.44	35.44				XH		40	729.32
Teledrift	1	6 1/2	2.500	8.38	8.38				XH		40	693.88
Drill Collar	10	6 1/2	2.500	311.60	311.60	29,941.6			XH		40	685.50
XO Sub	1	6 1/4	2.750	3.66	3.66				XH		10	373.90
HWDP	12	4	2.750	369.24	369.24	10,043.3			XH		10	370.24

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
1,819.0	2,446.0	848.00	11.00	57.0	355	12,000.0	145		3,500.0		
2,446.0	2,470.0	872.00	0.50	48.0	355	12,000.0	145		3,500.0		
2,470.0	3,042.0	1,444.00	11.50	49.7	475	17,000.0	174		5,500.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
1,819.00	3.00	0.00						TEL
2,175.00	2.00	0.00						TEL
2,446.00	2.00	0.00						TEL
2,665.00	2.00	0.00						TEL
2,848.00	2.00	0.00						TEL

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Comment
Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Surface, 230.0ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 73,163.32	Cumulative Cost 280,794.87
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 3,430.0	Depth Progress (ft) 388.00	Depth End (TVD) (ftKB) 3,421.8
Days LTI (days) 531.00	Days RI (days) 213.00	Hole Condition OPEN HOLE GOOD	Drilling Hours (hrs) 7.00	Average ROP (ft/hr) 55.4
Drilling Contact Perkins, Russell				
Comment				

Daily Ops Summary

Ops and Depth @ Morning Report

DRILLED 8 3/4" INTERMEDIATE SECTION TO 3430-FT.

Last 24hr Summary

CONT. DRILLING F/ 3042- FT TO TD @ 3430-FT, 388-FT - AROP 55 FT/HR. AWOB 18 KLBS, STRING 60 RPM, MOTOR 107 RPM, 444 GPM. TOTAL RPM 167. CIRCULATED & CONDITIONED HOLE. POOH W/ 20 - 30 KLBS OVER TO 2400-FT. BACKREAMED F/ 2400-FT TO 953-FT WHERE STRING WAS FREE FROM OVER PULL. CIRCULATED & CONDITIONED HOLE @ 953-FT & RUN BACK TO BOTTOM F/ 953-FT TO 3430-FT, REAMING IN. FOUND 80-FT OF FILL ON BOTTOM. CIRCULATED & CONDITIONED HOLE & MUD PROPERTIES. POOH F/ 3430-FT TO 1714-FT CONVENTIONALLY.

24hr Forecast

CONT. POOH TO SURFACE. L/D BHA. R/U CRT & RIH W/ 7" CSG.

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	OpSub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	10:00	4.00	INTRM1	DRILL	DRLG	P	3,042.0	3,259.0	CONT. DRILLING AHEAD F/ 3042-FT TO 3259-FT, 217-FT - 54 FT/HR. WOB 18 KLBS, STRING 60 RPM, MOTOR 107 RPM, 444 GPM. TOTAL RPM 167.
10:00	11:00	1.00	INTRM1	DRILL	CIRC	P	3,259.0	3,259.0	STOP DRILLING PROGRESS @ 3259-FT, WOB 18 KLBS & ROP DROP TO 9 FT/HR. CIRCULATED & CONDITIONED HOLE. CLEANING UP HOLE TO CONTINUE DRILLING
11:00	14:00	3.00	INTRM1	DRILL	DRLG	P	3,259.0	3,430.0	CONT. DRILLING F/ 3259-FT TO TD @ 3430-FT, 171-FT - 57 FT/HR. WOB 18 KLBS, STRING 60 RPM, MOTOR 107 RPM, 444 GPM. TOTAL RPM 167.
14:00	15:00	1.00	INTRM1	DRILL	CIRC	P	3,430.0	3,430.0	CIRCULATED & CONDITIONED
15:00	17:00	2.00	INTRM1	DRILL	TRIP	P	3,430.0	3,430.0	POOH F/ 3430-FT TO 2400-FT. 20 TO 30 KLBS OVER PULL. NO PUMPS USED.
17:00	21:30	4.50	INTRM1	DRILL	REAM	P	3,430.0	3,430.0	BACKREAM HOLE F/ 2400 TO 953-FT. CIRCULATED AT FULL FLOW RATE 500 GPM - RPM ON MOTOR 120 - RPM ON STRING 60. POOH AT 1 MIN PER JOINT. TESTED EVERY FOUR JOINT, TO VERIFY IF STRING WAS FREE AT P/U WEIGHT WITHOUT USING PUMPS, EVERY FOUR JOINT. NOTICED OVERPULL UP TO 50 KLBS.
21:30	22:00	0.50	INTRM1	DRILL	CIRC	T	3,430.0	3,430.0	CONDITIONED & CIRCULATED HOLE, STRING FREE @ 953-FT - NO OVERPULL
22:00	02:30	4.50	INTRM1	DRILL	REAM	T	3,430.0	3,430.0	WASH HOLE REAMING IN F/ 953-FT TO 3430-FT. CIRCULATED ALL THE WAY DOWN F/ 953-FT TO 1816-FT. FINDING TIGHT SPOT ON THE WAY. CONT. REAMING, BUT SECTION LOOKED FREE TO RIH WITHOUT PUMPS F/ 1816-FT TO 80-FT OFF BOTTOM, WHERE FILL WAS SPOTED & WASHDOWN TO TD.
02:30	03:30	1.00	INTRM1	DRILL	CIRC	T	3,430.0	3,430.0	CIRCULATED & CONDITIONED HOLE. THREATED & DILUTED MUD. 60 SEC. QUART & 8.9 PPG.
03:30	06:00	2.50	INTRM1	DRILL	TRIP	T	3,430.0	3,430.0	POOH F/ 3430-FT TO 2985-FT, W/ 50 KLBS OVER. CONT. POOH WITH 30 KLBS OVER MAX. TO 1714-FT & DROPPING.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	2.00	2.00
CONOCOPHILLIPS CO.	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
DIAL OIL COMPANY	FUEL HAULER	CONTRACTOR	1	1.00	1.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	1	24.00	24.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	2.00	2.00
H & P DRILLING	OTHER	CONTRACTOR	1	0.50	0.50
H & P DRILLING	ROUSTABOUT CREW	CONTRACTOR	2	1.50	3.00
SOUTHWEST BIT & TOOL CO	TOOL HAND	CONTRACTOR	1	2.00	2.00
WATER MACHINE	PORTABLE TOILET HAND	CONTRACTOR	3	1.00	3.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Water Base						300.000	
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
9.10	61						
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filt (mL/3...	API Cake (/32")
					6.0		Oil Water Ratio
							0/100
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
					9.0		Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	17	JSA/GO
STOP INTERVENTIONS	16	STOP CARDS HIGHLIGHTS: OBSERVED MISSING PIN ON THE HAND RAILS BEHIND ST-80. TALKED TO SUPERVISOR, REQUESTED THE PART & RE-INSTALLED PIN & KEEPER.

Safety Meetings / Operational Checks

Date	Type	Description
11/5/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/6/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
GARDNER DENVER	HD 2250	1	3,430.0	1,950.0	No	100	8.00	95
GARDNER DENVER	HD 2250	2	3,430.0	1,950.0	No	100	8.00	95

Drill Bit : 8 3/4in, Hughes Christensen , HC506ZX , 7011920

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	PDC	8 3/4	Hughes Christensen	HC506ZX	7011920
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
1,598.0	3,430.0	1,832.00	33.00	55.5	
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----		145	180	12	18

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
Motor	1	6 1/2	2.500	35.44	35.44				XH		40	729.32
Teledrift	1	6 1/2	2.500	8.38	8.38				XH		40	693.88
Drill Collar	10	6 1/2	2.500	311.60	311.60	29,941.6			XH		40	685.50
XO Sub	1	6 1/4	2.750	3.66	3.66				XH		10	373.90
HWDP	12	4	2.750	369.24	369.24	10,043.3			XH		10	370.24

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
3,042.0	3,259.0	1,661.00	4.00	54.3	444	18,000.0	166		3,500.0		
3,259.0	3,430.0	1,832.00	3.00	57.0	444	18,000.0	166		3,500.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
3,025.00	2.00	0.00						TEL

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
3,430.00	2.00	0.00						TEL

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARRIBA	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Intermediate, 3,417.3ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 103,943.45	Cumulative Cost 384,738.32
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 3,430.0	Depth Progress (ft) 0.00	Depth End (TVD) (ftKB) 3,421.8
Days LTI (days) 532.00	Days RI (days) 214.00	Hole Condition INTERMEDIATE CSG. SET & CEMENTED	Drilling Hours (hrs)	Average ROP (ft/hr) Days From Spud (days) 13.75

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

W/O CEMENT. 7" SHOE SET @ 3418-FT

Last 24hr Summary

CONT. POOH F/ 1714-FT TO SURFACE. B/D & L/D TELEDRIFT SUB, MOTOR & 8 3/4" PDC BIT. PREPARED & R/U EQUIPMENT TO RIH W/ 7" 20 #/FT CSG. RUN 7" CSG. F/ SURFACE TO 3418-FT SHOE SETTING DEPTH. LANDED 7" CSG. SET & SECURED WELLHEAD, TESTED SEALS TO 1800 PSI. SUCCESSFULLY. CIRCULATED HOLE CLEAN. R/U CEMENTERS. CEMENTED BY PROGRAM (90 BBLS LEAD CEMENT RETURN TO SURFACE, PLUG BUMPED W/ 800 PSI. OVER). R/D CEMENTERS. R/D CSG. EQUIPMENT & CRT. W/O CEMENT - GENERAL RIG MAINTENANCE ACTIVITIES; SLIP & CUT DRILL LINE - CHANGING OUT ROTATING HEAD BOWL.

24hr Forecast

W/O CEMENT. RIG MAINTENANCE. P/U & RIH W/ 6 1/4" HAMMER BIT. DISPLACE FLUID & DRILL PROD. HOLE.

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone/Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	07:30	1.50	INTRM1	DRILL	TRIP	T	3,430.0	3,430.0	CONT. POOH F/ 1714-FT TO 953-FT, W/ 20 KLBS OVER.
07:30	09:00	1.50	INTRM1	DRILL	TRIP	P	3,430.0	3,430.0	CONT. POOH F/ 953-FT TO SURFACE, W/ 5- 10 KLBS OVER.
09:00	09:30	0.50	INTRM1	DRILL	PULD	P	3,430.0	3,430.0	B/D & L/D TELEDRIFT SUB, MOTOR & 8 3/4" PDC BIT. R/U SCORPION ON RIG FLOOR TO BREAK BIT.
09:30	10:00	0.50	INTRM1	CASING	RURD	P	3,430.0	3,430.0	PREPARED & CONDITIONED RIG FLOOR
10:00	11:30	1.50	INTRM1	CASING	RURD	P	3,430.0	3,430.0	R/U CSG. EQUIPMENT, PREPARED TOP DRIVE F/ CRT & R/U CRT & SLIPS.
11:30	12:00	0.50	INTRM1	CASING	SFTY	P	3,430.0	3,430.0	JSA REVIEW & SAFETY MEETING
12:00	22:30	10.50	INTRM1	CASING	RNCS	P	3,430.0	3,430.0	RUN 7" J-55 20 #/FT ST&C CSG. F/ SURFACE TO SHOE SETTING DEPTH @ 3418-FT. STRING WEIGHT @ 1313-FT IN THE HOLE WAS 50 KLBS, HIT A VERY TIGHT SPOT, WORKED STRING ALL THE WAY TO 1395-FT, SETTING 25 KLBS ON STRING, ONLY LACKING TOP DRIVE WEIGHT. COMPLETE STOP @ 1395-FT WORKED STRING UP & DOWN TENSIONING 30 KLBS OVER & SETTING 30 KLBS ON CSG. STRING. NO PROGRESS. STARTED PUMPING AT 120 STKS / MIN. 282 GPM. 290 PSI. AND WORKED STRING FOR ONE HOUR PASS TIGHT SPOT & RECOVER STRING RUNNING WEIGHT. CONT. RUNNING WITH NO TROUBLE AFTER 1600-FT - 4 DEGREES INCL. UNTIL REACHING 3028-FT WHERE PUMPS WERE TURNED ON AGAIN TO 40 STK/MIN. EACH, TO CIRCULATE CSG. TO BOTTOM W/ 40 KLBS OF WEIGHT ON STRING & 188 GPM. TAGGED BOTTOM W/ ADDITIONAL CSG. JOINT. L/D - P/U & RIH WITH 8-FT PUP, MANDREL HANGER & LANDING JOINT.
22:30	23:00	0.50	INTRM1	RPEQPT	NUND	P	3,430.0	3,430.0	LANDED 7" CSG. SET SCREWS ON WELLHEAD & TESTED SEALS TO 1800 PSI SUCCESSFULLY. WOODGROUP PRESENT TO VERIFY WELLHEAD SETTING.

Time Log

Start Time	End Time	Dur. (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
23:00	23:30	0.50	INTRM1	CEMENT	RURD	P	3,430.0	3,430.0	CIRCULATED 7" CSG. TO CLEAN HOLE & BREAK GELS, WHILE W/O CEMENTERS TO R/U
23:30	01:30	2.00	INTRM1	CEMENT	CIRC	P	3,430.0	3,430.0	CEMENTING BY PROGRAM: TEST LINES TO 3185-PSI. F/ 2 MIN. PUMPED 10 BBLs OF WATER. MIXED & PUMP MUD SLURRY SPACER 20 BBLs @ 4 BPM. MIX @ PUMP 244 BBLs OF LEAD SLURRY 11.5 PPG @ 6 BPM. (PUMPED 44 BBLs OVER REQUIRED EXCESS VOL, SINCE BLEND WAS ALREADY MIXED F/ PREVIOUS WELL PROGRAM) MIXED & PUMP 20 BBLs OF TAIL SLURRY 13.5 PPG @ 6 BPM. DROP PLUG. DISPLACED W/ FRESH WATER TO THE THEORETICAL VOL. OF 136 BBLs @ 6 BPM. BUMPED PLUG 800 PSI OVER CIRC. PRESSURE TO 2030-PSI. HOLD PRESSURE F/ 5 MIN. & RELEASED; WATER BACKFLOW TO TRUCK 1 BBL & CEMENT RETURN TO SURFACE 90 BBLs OF LEAD SLURRY.
01:30	02:00	0.50	INTRM1	CEMENT	RURD	P	3,430.0	3,430.0	R/D CEMENTERS; CEMENT HEAD, TRUCKS & LINES
02:00	03:00	1.00	PROD1	CASING	RURD	P	3,430.0	3,430.0	R/D CSG. EQUIPMENT & CRT
03:00	04:30	1.50	PROD1	RIGMNT	SLPC	P	3,430.0	3,430.0	SLIP & CUT DRILL LINE - HANG BLOCK & CDL
04:30	05:00	0.50	PROD1	RIGMNT	SVRG	P	3,430.0	3,430.0	GENERAL RIG MAINTENANCE / START CHANGING OUT ROTATING HEAD BOWL

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAKER OIL TOOLS	VENDOR	CONTRACTOR	2	0.75	1.50
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	1.50	1.50
BASIN FLUIDS	VENDOR	CONTRACTOR	1	0.50	0.50
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
DAWN TRUCKING	VENDOR	CONTRACTOR	2	0.25	0.50
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	2	18.00	36.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
HALLIBURTON	CMT CREW	CONTRACTOR	7	6.00	42.00
WOOD GROUP	TOOL HAND	CONTRACTOR	2	6.00	12.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Water Base			0.3		400.000	120.000	
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...)	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
8.90	55		25.0	15.000	65	40	
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...)	Gel (10m) (lb/1...)	Gel (30m) (lb/1...)	API Filtrate (mL/...)	HTHP Filtr (mL/3...)	API Cake (/32")
		7.0	19.0		6.2		
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...)	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
				82.0	9.0	0.300	0.600

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	18 JSA/GO	
STOP INTERVENTIONS	16	STOP CARDS HIGHLIGHTS: OBSERVED RIG HAND TRYING TO LIFT CASING END AND MOVE IT AWAY FROM OTHER CASING ON RACKS, TRYING TO TAKE THREAD PROTECTOR OFF. STOP THE MAN AND ADVISED HIM NOT TO DO THE EFFORT HIM SELF BUT TO USE THE EXISTING EQUIPMENT ON THE RIG. HIGHLIGHTED THE POSSIBILITY OF A BACK INJURY. WORKER UNDERSTOOD AND WENT TO GET THE FORKLIFT.

Safety Meetings / Operational Checks

Date	Type	Description
11/6/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/7/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
GARDNER DENVER	HD 2250	1	3,430.0	0.0	No	0	8.00	95

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
GARDNER DENVER	HD 2250	2	3,430.0	0.0	No	0	8.00	95

Drill Bit - <Drill Bit?>

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
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Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
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IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
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Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
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Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
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Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method
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Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Intermediate, 3,417.3ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 25,553.11	Cumulative Cost 410,291.43
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 4,310.0	Depth Progress (ft) 880.00	Depth End (TVD) (ftKB) 4,301.7
Days LTI (days) 533.00	Days RI (days) 215.00	Hole Condition INTERMEDIATE CSG. SET & CEMENTED	Drilling Hours (hrs) 6.00	Average ROP (ft/hr) 146.7
Days From Spud (days) 14.75				

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

DRILLING 6 1/4" HOLE @ 4310-FT

Last 24hr Summary

W/O CEMENT UNTIL 10:00 A.M. PERFORMED MISCELANEOUS RIG MAINTENANCE ACTIVITIES WHILE WAITING. P/U & M/U 6 1/4" HAMMER BIT, BIT SUB, 12 HWDP JNTS & DP. RIH TO 1500-FT & DISPLACE MUD W/ AIR, CONT. RIH TO 3358-FT & DISPLACED MUD W/ AIR. DRILL OUT CEMENT & FLOAT COLLAR F/ 3360-FT TO 3408-FT. AIR PACKAGE OUT PUTTING 50 PSI. CHANGE OUT THREE VALVES ON DISCHARGE SIDE OF BOOSTER. CONT. DRILLING OUT CEMENT & FLOAT SHOE TO 3430-FT. DRY UP HOLE. DRILLED AHEAD IN NEW 6 1/4" OPEN HOLE F/ 3430-FT TO 4310-FT, 880-FT - 147-FT/HR., WOB 2 - 3 KLBS, 45 RPM, 400 PSI. RUN THREE COMPRESORS & 1 BOOSTER 1800 RPM & 1800 CFM.

24hr Forecast

CONT. DRILLING PRODUCTION SECTION

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	Op Sub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:00	2.00	PROD1	DRILL	RURD	P	3,430.0	3,430.0	CHANGE OVER BLANKS IN FLOW LINE, LINE UP BLOOIE LINE W/ STACK.
08:00	10:00	2.00	PROD1	RIGMNT	RGRP	P	3,430.0	3,430.0	REMOVE ROTATING HEAD BLOWN ON PREVIOUS WELL. END OF W/O CEMENT TIME
10:00	11:30	1.50	PROD1	RIGMNT	RGRP	NP	3,430.0	3,430.0	INSTALLED NEW BOWL DUE TO OUT LET WASHED OUT.
11:30	12:00	0.50	PROD1	WELLPR	PRTS	P	3,430.0	3,430.0	TEST. CSG. TO 1500 PSI. F/ 30 MIN. SUCCESSFULLY.
12:00	12:30	0.50	PROD1	RIGMNT	SVRG	P	3,430.0	3,430.0	RIG SERVICE
12:30	14:30	2.00	PROD1	DRILL	TRIP	P	3,430.0	3,430.0	P/U & M/U 6 1/4" BIT, HAMMER, BIT SUB, 1 JNT. OF HWDP, TESTED FIRE HAMMER & RIH TO 1500 -FT.
14:30	15:00	0.50	PROD1	DRILL	CIRC	P	3,430.0	3,430.0	DISPLACED SECTION OF HOLE W/ AIR, P/U ROTATING HEAD.
15:00	16:00	1.00	PROD1	DRILL	TRIP	P	3,430.0	3,430.0	CONT. RIH F/ 1500-FT TO 3360-FT. TAGGED CEMENT.
16:00	17:00	1.00	PROD1	DRILL	CIRC	P	3,430.0	3,430.0	DISPLACED SECTION OF HOLE W/ AIR @ 3358-FT
17:00	18:00	1.00	PROD1	CEMENT	DRLG	P	3,430.0	3,430.0	DRILLED OUT CEMENT, FLOAT COLLAR & ADDITIONAL 35-FT OF CEMENT ABOVE CSG. SHOE F/ 3360-FT TO 3408-FT
18:00	20:30	2.50	PROD1	RIGMNT	RGRP	NP	3,430.0	3,430.0	AIR PACKAGE WAS OUT PUTTING 50 PSI. MAX. CHANGED OUT 3 VALVES ON DISCHARGE SIDE OF BOOSTER
20:30	22:00	1.50	PROD1	CEMENT	DRLG	P	3,430.0	3,430.0	DRILLED OUT 10 ADDITIONAL FEET OF CEMENT & FLOAT SHOE. CONT. DRILLING OUT TO 3430-FT.
22:00	23:00	1.00	PROD1	DRILL	CIRC	P	3,430.0	3,430.0	DRY UP HOLE
23:00	02:00	3.00	PROD1	DRILL	DRLG	P	3,430.0	3,904.0	DRILLED AHEAD IN NEW OPEN 6 1/4" HOLE F/ 3430-FT TO 3904-FT, 474-FT AT 158 FPM, WOB 2 KLBS, RPM 45, 400 PSI, RUN 3 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1800 CFM.
02:00	03:00	1.00	PROD1	RIGMNT	RGRP	NP	3,904.0	3,904.0	C/O ROTETING HEAD
03:00	06:00	3.00	PROD1	DRILL	DRLG	P	3,904.0	4,310.0	CONT DRILLING F/ 3904-FT TO 4310-FT, 406-FT AT 135 FPM, WOB 2 - 3 KLBS, RPM 45, 400 PSI, RUN 3 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1800 CFM.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
BAKER OIL TOOLS	VENDOR	CONTRACTOR	1	0.25	0.25
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
DAWN TRUCKING	TRUCKER	CONTRACTOR	2	1.00	2.00
DIAMOND AIR DRLG	AIR PERSONNEL	CONTRACTOR	1	23.00	23.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	2	24.00	48.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	ROUSTABOUT CREW	CONTRACTOR	2	1.25	2.50
HOOD'S WELDING	WELDER	CONTRACTOR	1	2.00	2.00
KEY ENERGY SERVICES	TRUCKER	CONTRACTOR	1	10.00	10.00
REED BIT	VENDOR	CONTRACTOR	2	0.50	1.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...	
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm	Vis 100rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filt (mL/3...	API Cake (/32")	Oil Water Ratio
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)	Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	18 JSA/GO	
STOP INTERVENTIONS	16 STOP CARDS HIGHLIGHTS:	

Safety Meetings / Operational Checks

Date	Type	Description
11/7/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/8/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
					No			

Drill Bit - 6 1/4in, MARQUIS, CV462, MB621077

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	HAMMER	6 1/4	MARQUIS	CV462	MB621077
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
3,430.0	7,590.0	4,160.00	30.00	138.7	
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----		45	45	2	3

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
HWDP	12	4	2.750	370.20	370.20	10,069.4				XH	10	375.25
BIT SUB	1	4 3/4	2.500	4.75	4.75					XH	0	5.05

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
3,430.0	3,904.0	474.00	3.00	158.0		2,000.0	45	400.0	3,000.0		
3,904.0	4,310.0	880.00	3.00	135.3		3,000.0	45	400.0	3,000.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Comment

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARriba	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Intermediate, 3,417.3ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 23,626.00	Cumulative Cost 433,917.43
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 7,481.0	Depth Progress (ft) 3,171.00	Depth End (TVD) (ftKB) 7,472.5
Days LTI (days) 534.00	Days RI (days) 216.00	Hole Condition INTERMEDIATE CSG. SET & CEMENTED	Drilling Hours (hrs) 22.00	Average ROP (ft/hr) 144.1
Days From Spud (days) 15.75				

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

CONT. DRILLING 6 1/4" HOLE @ 7481-FT

Last 24hr Summary

CONT. DRILLING 6 1/4" AIR HOLE F/ 4310-FT TO 7481-FT, 3171-FT AT AN AVRG. 144 FPM, AWOB 3 KLBS, RPM 45, 420 PSI, RUN 3 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1800 CFM. NITROGEN WAS INCLUDED @ 6439-FT.

24hr Forecast

TD. PRODUCTION SECTION @ 7608-FT - CIRC. F/ 1 HR. - POOH - RIH W/ 4.5" CSG.

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	OpSub	Time P.N.T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	12:00	6.00	PROD1	DRILL	DRLG	P	4,310.0	5,217.0	CONT. DRILLING 6 1/4" AIR HOLE F/ 4310-FT TO 5217-FT, 907-FT AT 151 FPM, WOB 3 KLBS, RPM 45, 435 PSI, RUN 2 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1800 CFM.
12:00	12:30	0.50	PROD1	RIGMNT	SVRG	P	5,217.0	5,217.0	RIG SERVICE
12:30	20:30	8.00	PROD1	DRILL	DRLG	P	5,217.0	6,484.0	CONT. DRILLING F / 5217-FT TO 6484-FT, 1267-FT AT 158 FPM, WOB 3 KLBS, RPM 45, 435 PSI, RUN 2 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1800 CFM.
20:30	22:00	1.50	PROD1	RIGMNT	OTHR	NP	6,484.0	6,484.0	STOP OPERATIONS FOR SAFETY TO PATCH HOLE ON VENT LINE W/ WELDER VERY CLOSE TO RIG FLOOR.
22:00	06:00	8.00	PROD1	DRILL	DRLG	P	6,484.0	7,481.0	CONT. DRILLING F/ 6439-FT TO 7481-FT, 1042-FT AT 130 FPM, WOB 3 KLBS, RPM 45, 420 PSI, RUN 3 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1600 CFM. NITROGEN IN HOLE F/ 6439-FT.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot.Time (hrs)
BAKER OIL TOOLS	VENDOR	CONTRACTOR	1	0.25	0.25
BASIN FLUIDS	MUD PERSONNEL	CONTRACTOR	1	0.50	0.50
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
CONOCOPHILLIPS CO	SUPERINTENDENT	EMPLOYEE	1	2.50	2.50
DAWN TRUCKING	VENDOR	CONTRACTOR	1	0.25	0.25
DIAMOND AIR DRLG	AIR PERSONNEL	CONTRACTOR	1	24.00	24.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	2	24.00	48.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	WELDER	CONTRACTOR	1	2.00	2.00
H & P DRILLING	SAFETY PERSONNEL	CONTRACTOR	1	2.50	2.50
H & P DRILLING	ROUSTABOUT CREW	CONTRACTOR	1	1.00	1.00
SOFTROCK GEOLOGICAL SERVICES	GEOLOGIST	CONTRACTOR	2	9.00	18.00
WEATHERFORD	AIR PERSONNEL	CONTRACTOR	1	19.00	19.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...	
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm	Vis 100rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...	Gel (10m) (lb/1...	Gel (30m) (lb/1...	API Filtrate (mL/...	HTHP Filt (mL/3...	API Cake (/32")	Oil Water Ratio
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...	Active Mud Vol...	T (fi) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)	Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	18	JSA/GO
STOP INTERVENTIONS	16	STOP CARDS HIGHLIGHTS: OBSERVED WELDER USE ALL HIS PPE TO FIX BLOOIE LINE, THIS INCLUDED SAFETY HARNESS. ADVISE THE MAN TO KEEP UP THE GOOD WORK.

Safety Meetings / Operational Checks

Date	Type	Description
11/8/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/9/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No.	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
					No			

Drill Bit - 6 1/4in, MARQUIS, CV462, MB621077

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	HAMMER	6 1/4	MARQUIS	CV462	MB621077
Depth In (ftKB)	Depth Out (ftKB)	Depth Drilled (ft)	Drilling Time (hrs)	BHA ROP (ft/hr)	TFA (incl Noz) (in²)
3,430.0	7,590.0	4,160.00	30.00	138.7	
IADC Bit Dull	Nozzles (/32")	RPM (min) (rpm)	RPM (max) (rpm)	WOB (min) (1000lbf)	WOB (max) (1000lbf)
-----		45	45	2	3

Drill String Components

Item Description	Tally Jts	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
HWDP	12	4	2.750	370.20	370.20	10,069.4				XH	10	375.25
BIT SUB	1	4 3/4	2.500	4.75	4.75					XH	0	5.05

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
4,310.0	5,217.0	1,787.00	6.00	151.2		3,000.0	45	435.0	3,000.0		
5,217.0	6,484.0	3,054.00	8.00	158.4		3,000.0	45	435.0	3,000.0		
6,484.0	7,481.0	4,051.00	8.00	124.6		3,000.0	45	420.0	3,000.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (°/100ft)	NS (ft)	EW (ft)	Method

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

General Notes

Comment
Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Well Info

API / UWI 3003930314	Region/Division SAN JUAN	District NORTH	Field Name MV/DK COM	Original Spud Date 10/24/2007
State/Province NEW MEXICO	County RIO ARRIBA	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W	Well Type Development
Ground Elevation (ft) 6,334.00	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	AFE / RFE / Maint.# WAN.CDR.7165	Network/Project ID Number 10194457
Last Casing String Production, 7,588.5ftKB	Estimated Days 8.0	Plan TMD (ftKB) 7,603.0	Daily Cost Total 89,306.18	Cumulative Cost 523,223.61
Rig HELMERICH & PAYNE, HP 282	Wellbore Original Hole	Depth End (ftKB) 7,590.0	Depth Progress (ft) 109.00	Depth End (TVD) (ftKB) 7,590.0
Days LTI (days) 535.00	Days RI (days) 217.00	Hole Condition INTERMEDIATE CSG. SET & CEMENTED	Drilling Hours (hrs) 2.00	Average ROP (ft/hr) 54.5
Days From Spud (days) 16.75				

Drilling Contact
Perkins, Russell

Comment

Daily Ops Summary

Ops and Depth @ Morning Report

WELL COMPLETED TD @ 7590-FT

Last 24hr Summary

CONT. DRILLING F/ 7481-FT TO TD @ 7590-FT, CIRCULATED & RECIPROCATED STRING BLOWING OUT W/ AIR TO CONDITION SAME. POOH W/ DRILLING STRING. PULLED ROTATING HEAD & L/D 6 1/4" BIT, HAMMER, BIT SUB & ONE HWDP. PREPARED RIG FLOOR & R/U 4.5" CSG. EQUIPMENT. RIH W/ 4.5" CSG. F/ SURFACE TO 7588-FT. SET 4.5" CSG. ON WELL HEAD & SECURED SAME. R/U CEMENTERS. CEMENTED BY PROGRAM. R/D CEMENTERS. B/D & L/D LANDING JOINT. R/D CRT & CASING EQUIPMENT. RIG RELEASED F/ WELL @ 06:00 A.M.

24hr Forecast

R/D & MOVE TO JOHNSTON A 13N. R/U EQUIPMENT AT NEW LOCATION

General Remarks

NO INCIDENT, NO ACCIDENTS, NO SPILLS, PUSH SAFETY

Responsible Daily Contacts

Contact Name	Title	Phone Work
SANCHEZ NESTOR	ONSITE SUPERVISOR	505-947-9780
PERKINS RUSSELL	DRILLING ENGR	505-599-4097
BEALESSIO TOM	D&C SUPERINT	505-326-9710
SPERRY DONNIE	D&C MANAGER	505-326-9570

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	OpSub	Time P.N.T	Depth Start (ftKB)	Depth End (ftKB)	Operation
06:00	08:00	2.00	PROD1	DRILL	DRLG	P	7,481.0	7,590.0	CONT. DRILLING F/ 7481-FT TO 7590-FT , 109-FT AT 55 FPM, WOB 2 KLBS, RPM 45, 420 PSI, RUN 3 COMPRESSOR & 1 BOOSTER 1800 RPM AND 1600 CFM. NITROGEN IN HOLE F/ 6439-FT.
08:00	09:00	1.00	PROD1	DRILL	CIRC	P	7,590.0	7,590.0	CIRCULATED & CONDITIONED HOLE, BLEW HOLE BEFORE PULLING OUT. RECIPROCATED STRING
09:00	13:00	4.00	PROD1	DRILL	TRIP	P	7,590.0	7,590.0	POOH W/ DRILLING STRING F/ 7590-FT TO SURFACE.
13:00	13:30	0.50	PROD1	DRILL	PULD	P	7,590.0	7,590.0	PULLED ROTATING HEAD. B/D & L/D 6 1/4" BIT & HAMMER, BIT SUB & LAST JOINT OF HWDP.
13:30	15:30	2.00	PROD1	CASING	RURD	P	7,590.0	7,590.0	PREPARED & CONDITIONED RIG FLOOR. R/U CSG. EQUIPMENT, REMOVE ELEVATORS, REMOVE HYDRAULIC CYLINDERS F/ BALES, P/U & R/U CRT, CHANGE HYDRAULIC SLIPS SEGMENTS & INSTALLED ROTATING HEAD.
15:30	15:45	0.25	PROD1	CASING	SFTY	P	7,590.0	7,590.0	JSA REVIEW & SAFETY MEETING
15:45	01:00	9.25	PROD1	CASING	RNCS	P	7,590.0	7,590.0	RIH W/ 4.5" CSG. F/ SURFACE TO 7590-FT. CIRCULATED LAST TWO JOINTS DOWN HOLE.
01:00	02:00	1.00	PROD1	CASING	PULD	P	7,590.0	7,590.0	POOH & L/D TAGGING JOINT. PULL SLIPS, REMOVE HEAD RUBBER, INSTALL SLIPS.
02:00	02:30	0.50	PROD1	CASING	PULD	P	7,590.0	7,590.0	P/U & RIH W/ 8-FT PUP JOINT, 4.5" MANDREL HANGER & LANDING JOINT. LANDED CSG. ON WELLHEAD. SECURED MANDREL (WOOD GROUP PRESENT). CASING CONFIGURATION: FLOAT SHOE SET @ 7588-FT. 4.5" CSG. J-55 11.6#/FT LT&C UP TO 7117-FT - 11 JOINTS. FIRST MARKER PUP JOINT TOP @ 7370-FT. 4.5" J-55 10.5 #/FT ST&C JOINTS UP TO 950-FT. 161 JOINTS. SECOND MARKER PUP JOINT TOP @ 4112-FT. 22 ADDITIONAL JOINTS OF 4.5" J-55 11.6 #/FT LT&C UP TO 36-FT. SPACED WITH A 10-FT & 9-FT PUP JNT BELOW THE 4.5" MANDREL HANGER. CENTRALIZERS 6 IN TOTAL EVERY OTHER JOINT FOR THE FIRST 12 JOINTS BEGINING IN THE 7" SHOE JOINT COLLAR @ 7546-FT.

Time Log

Start Time	End Time	Dur (hrs)	Phase	Op Code	OpSub	Time P-N-T	Depth Start (ftKB)	Depth End (ftKB)	Operation
02:30	03:00	0.50	PROD1	CEMENT	SFTY	P	7,590.0	7,590.0	JSA REVIEW & SAFETY MEETING
03:00	03:30	0.50	PROD1	CEMENT	RURD	P	7,590.0	7,590.0	R/U CEMENTING EQUIPMENT.
03:30	04:30	1.00	PROD1	CEMENT	CIRC	P	7,590.0	7,590.0	CEMENTED BY PROGRAM: PRESSURE TEST LINES TO 3000 PSI, PUMP 10 BBLs CHEMWASH & 2 BBLs WATER, MIX & PUMP 433 SKS 50/50 POZ + 3.5 LB/SK PHENOSEAL + 0.2% CFR-3 + 0.1% HR-5 + 0.8% HALAD 9, YIELD 1.45 CU/FT/SK, 111 BBLs OF 13.1 PPG SLURRY, DROP WIPER PLUG, WASH UP PUMPS & LINES, DISPLACE WITH 10 BBLs SUGAR WATER AND 111 BBLs WATER, BUMP PLUG TO 1500 PSI, RELEASE PRESSURE FLOATS HELD OK, WATER FLOW BACK TO TRUCK 1 BBLs.
04:30	05:00	0.50	PROD1	CEMENT	RURD	P	7,590.0	7,590.0	R/D CEMENTER
05:00	05:30	0.50	PROD1	CASING	PULD	P	7,590.0	7,590.0	B/D & L/D 4.5" LANDING JNT.
05:30	06:00	0.50	PROD1	CASING	RURD	P	7,590.0	7,590.0	R/D CSG. EQUIPMENT & CRT. RIG RELEASED F/ WELL @ 06:00 A.M.

Head Count / Man Hours

Company	Function	Personnel Type	Count	Time (hrs)	Tot Time (hrs)
CONOCOPHILLIPS CO	ONSITE SUPERVISOR	EMPLOYEE	1	24.00	24.00
CONOCOPHILLIPS CO	SAFETY PERSONNEL	EMPLOYEE	1	1.50	1.50
DAWN TRUCKING	TRUCKER	CONTRACTOR	2	0.25	0.50
DIAL OIL COMPANY	FUEL HAULER	CONTRACTOR	1	2.00	2.00
DIAMOND AIR DRLG	AIR PERSONNEL	CONTRACTOR	1	6.00	6.00
H & P DRILLING	TOOL PUSHER/RIG MGR	CONTRACTOR	2	24.00	48.00
H & P DRILLING	RIG CREW	CONTRACTOR	8	12.50	100.00
H & P DRILLING	ROUSTABOUT CREW	CONTRACTOR	1	1.00	1.00
HALLIBURTON	CMT CREW	CONTRACTOR	7	6.00	42.00
NATIONAL OILWELL	VENDOR	CONTRACTOR	1	0.50	0.50
WEATHERFORD	AIR PERSONNEL	CONTRACTOR	1	24.00	24.00
WOOD GROUP	WELLHEAD HAND	CONTRACTOR	1	6.00	6.00

Mud Data

Type	Solids, Corr. (%)	LGS (%)	Sand (%)	MBT (lb/bbl)	Chlorides (mg/L)	Calcium (mg/L)	ECD - Manual Entr...
Density (lb/gal)	Vis (s/qt)	T (visc) (°F)	PV Calc (cp)	YP Calc (lb/100...)	Vis 600rpm (rpm)	Vis 300rpm (rpm)	Vis 200rpm
Vis 6rpm	Vis 3rpm	Gel (10s) (lb/10...)	Gel (10m) (lb/1...)	Gel (30m) (lb/1...)	API Filtrate (mL/...	HTHP Filt (mL/3...)	API Cake (/32")
Electric Stab (V)	Mud Lost (Hole)...	Mud Vol (Act) (b...)	Active Mud Vol...	T (fl) (°F)	pH	Pm (mL/mL)	Mf (mL/mL)
							Pf (mL/mL)

Observation Cards (BST, STOP, etc)

Observ. Type	No. Rpts	Comment
JSA / GO CARD DISCUSSION	18	JSA/GO
STOP INTERVENTIONS	16	STOP CARDS HIGHLIGHTS: OBSERVED CEMENTERS USING FACE MASK WHEN MIXING SLURRY. CONGRATULATED THEM AND ADVISED THEM TO KEEP UP THE GOOD WORK.

Safety Meetings / Operational Checks

Date	Type	Description
11/9/2007 17:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING
11/10/2007 05:30	Pre-Job Safety Meeting	TOURLY SAFETY MEETING

BOP INFO

Date of Last Test	Description	ID (in)	Start Date	End Date	Class	Height (ft)	Pres (psi)	Service	Clear (ft)
11/1/2007	BOP	11	11/1/2007				3,000.0		

Shaker Screens

Deck No	Make	Model	Screen No.	Description	Scr Sz X	Scr Sz Y

Pump Operations

Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
1	5 1/2	0.056
Pump Number	Liner Size (in)	Volume Per Stroke Override (bbl/stk)
2	5 1/2	0.056

Pump Checks

Make	Model	No.	Depth (ftKB)	Pres (psi)	Slow Spd	Strokes (spm)	Stroke (in)	Eff (%)
					No			

Drill Bit - 6 1/4in, MARQUIS, CV462, MB621077

Bit Run	Bit Type	Size (in)	Make	Model	Serial Number
1	HAMMER	6 1/4	MARQUIS	CV462	MB621077
Depth In (ftKB)	3,430.0	Depth Out (ftKB)	7,590.0	Depth Drilled (ft)	4,160.00
				Drilling Time (hrs)	30.00
				BHA ROP (ft/hr)	138.7
IADC Bit Dull	-----	Nozzles (/32")		RPM (min) (rpm)	45
				RPM (max) (rpm)	45
				WOB (min) (1000lbf)	2
				WOB (max) (1000lbf)	3

Drill String Components

Item Description	Tally Jls	OD (in)	ID (in)	Len (ft)	Tally Len (ft)	Wt (lbf)	Btm Conn Sz (in)	Top Conn Sz (in)	Btm Thread	Top Thread	Cum Wt (1000lbf)	Cum Len (ft)
HWDP	12	4	2.750	370.20	370.20	10,069.4				XH	10	375.25
BIT SUB	1	4 3/4	2.500	4.75	4.75					XH	0	5.05

Drilling Parameters

Start (ftKB)	End (ftKB)	Cum Depth (ft)	Drilling Time (hrs)	Int ROP (ft/hr)	Flow Rate (gpm) (gpm)	WOB (lbf)	RPM (rpm)	SPP (psi)	Drill Tq	TFO (°)	dP (SPP) (psi)
7,481.0	7,590.0	4,160.00	2.00	54.5		2,000.0	45	400.0	3,500.0		

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Depart (ft)	Build (%/100ft)	NS (ft)	EW (ft)	Method

Casing Strings

Casing Description	OD (in)	Set Depth (ftKB)	Top (ftKB)	Run Date	Drift Min (in)	Wt (lbs/ft)	Dens Fluid (lb/gal)	P (LO) (psi)
Surface	9 5/8	230.0	16.0	10/25/2007		32.30		
Intermediate	7	3,417.3	16.0	11/6/2007		20.00		
Production	4 1/2	7,588.5	16.0	11/9/2007		10.50		

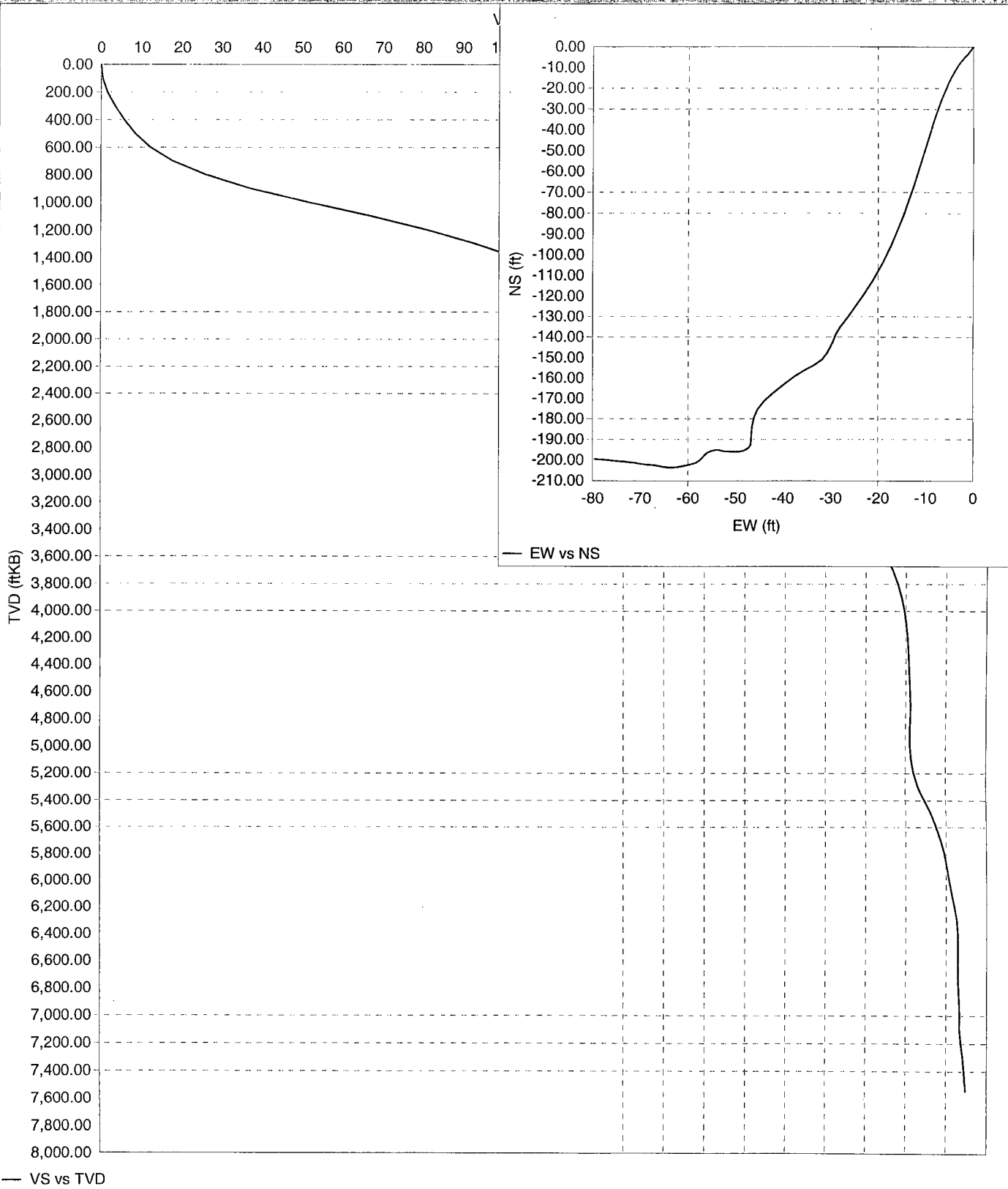
General Notes

Automation installed 2-13-08. EPFS pipeline. Fisher 809 w/Bristol interface. Solar Panel 80W. Battery 2-100amp. Dissipater. 1X CDMA modem. Omni antenna. Csg/Tbg transmitters 0-1000 psig. I/P 4-20mA. Solenoid 12V 3-way. Radar/switch pit. Radar/switch Tank. Comm'd to Cygnet.

Directional Plot

SAN JUAN 29-7 UNIT #58N

API / UWI 3003930314	Surface Legal Location SEC:26;TWN:029N;RNG:007W	Field Name MV/DK COM	BU/JV LOWER 48 - SJBU	Latitude (DMS) 36° 41' 49.942" N	Longitude (DMS) 107° 32' 33.792" W
Well Type Development	Well Configuration Type VERTICAL	Original KB Elevation (ft) 6,350.00	KB-Ground Distance (ft) 16.00	KB-CF (ft)	ConocoPhillips WI (%) 59.77



Directional Survey

SAN JUAN 29-7 UNIT #58N

Wellbore Name Original Hole		Parent Wellbore Original Hole		Kick Off Depth (ftKB)		Vertical Section Direction (°)	
Date 10/24/2007		Definitive? No		Description DEVIATION SURVEYS		Proposed? No	
MD Tie In (ftKB)		TVDTie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)	
						NSTie In (ft)	
						EWTie In (ft)	

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company
10/24/2007	130.00	0.75							A1SureShot	Mo-Te Drilling Inc.
10/24/2007	230.00	1.25							A1SureShot	Mo-Te Drilling Inc.
11/1/2007	421.00	1.00	0.00						TEL	
11/2/2007	624.00	2.00	0.00						TEL	
11/2/2007	829.00	1.00	0.00						TEL	
11/2/2007	835.00	6.00	0.00						Incl	TOTCO
11/2/2007	1,016.00	10.00	0.00						Incl	TOTCO
11/3/2007	1,195.00	8.00	0.00						Incl	TOTCO
11/3/2007	1,420.00	6.00	0.00						Incl	TOTCO
11/3/2007	1,528.00	5.00	0.00						Incl	TOTCO
11/3/2007	1,598.00	4.00	0.00						Incl	TOTCO
11/4/2007	1,819.00	3.00	0.00						TEL	
11/4/2007	2,175.00	2.00	0.00						TEL	
11/4/2007	2,446.00	2.00	0.00						TEL	
11/4/2007	2,665.00	2.00	0.00						TEL	
11/5/2007	2,848.00	2.00	0.00						TEL	
11/5/2007	3,025.00	2.00	0.00						TEL	
11/5/2007	3,430.00	2.00	0.00						TEL	

Date 11/13/2007		Definitive?		Description GYRO		Proposed?	
MD Tie In (ftKB)		TVDTie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)	
						NSTie In (ft)	
						EWTie In (ft)	

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company
11/13/2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Gyro MS	Scientific Drilling
11/13/2007	100.00	0.44	198.26	100.00	0.38	-0.36	-0.12	0.44	Gyro MS	Scientific Drilling
11/13/2007	200.00	0.87	198.26	199.99	1.52	-1.45	-0.48	0.43	Gyro MS	Scientific Drilling
11/13/2007	300.00	1.31	198.26	299.97	3.42	-3.26	-1.07	0.44	Gyro MS	Scientific Drilling
11/13/2007	400.00	1.34	203.93	399.95	5.73	-5.41	-1.91	0.13	Gyro MS	Scientific Drilling
11/13/2007	500.00	1.79	196.17	499.91	8.46	-7.98	-2.82	0.50	Gyro MS	Scientific Drilling
11/13/2007	600.00	2.53	195.07	599.84	12.20	-11.61	-3.83	0.74	Gyro MS	Scientific Drilling
11/13/2007	700.00	3.96	191.21	699.68	17.79	-17.13	-5.07	1.45	Gyro MS	Scientific Drilling
11/13/2007	800.00	5.58	189.93	799.33	25.94	-25.31	-6.58	1.62	Gyro MS	Scientific Drilling
11/13/2007	900.00	7.52	188.29	898.67	37.07	-36.57	-8.36	1.95	Gyro MS	Scientific Drilling
11/13/2007	1,000.00	9.44	187.62	997.57	51.39	-51.18	-10.39	1.92	Gyro MS	Scientific Drilling
11/13/2007	1,100.00	8.84	187.68	1,096.30	66.79	-66.92	-12.51	0.60	Gyro MS	Scientific Drilling
11/13/2007	1,200.00	7.70	190.09	1,195.26	80.81	-81.13	-14.71	1.19	Gyro MS	Scientific Drilling
11/13/2007	1,300.00	6.50	190.18	1,294.49	92.92	-93.30	-16.88	1.20	Gyro MS	Scientific Drilling
11/13/2007	1,400.00	5.46	193.22	1,393.95	103.17	-103.50	-18.97	1.09	Gyro MS	Scientific Drilling
11/13/2007	1,500.00	4.60	193.83	1,493.56	111.85	-112.03	-21.02	0.86	Gyro MS	Scientific Drilling
11/13/2007	1,600.00	3.72	197.43	1,593.30	119.05	-119.02	-22.95	0.92	Gyro MS	Scientific Drilling
11/13/2007	1,700.00	3.37	196.43	1,693.10	125.21	-124.93	-24.75	0.36	Gyro MS	Scientific Drilling
11/13/2007	1,800.00	3.09	197.83	1,792.94	130.83	-130.31	-26.41	0.29	Gyro MS	Scientific Drilling
11/13/2007	1,900.00	2.59	199.00	1,892.82	135.78	-135.02	-27.97	0.50	Gyro MS	Scientific Drilling
11/13/2007	2,000.00	2.03	188.37	1,992.74	139.76	-138.91	-28.96	0.70	Gyro MS	Scientific Drilling
11/13/2007	2,100.00	1.79	190.37	2,092.68	143.01	-142.19	-29.50	0.25	Gyro MS	Scientific Drilling
11/13/2007	2,200.00	1.71	192.73	2,192.64	146.01	-145.19	-30.11	0.11	Gyro MS	Scientific Drilling
11/13/2007	2,300.00	1.72	195.35	2,292.59	148.98	-148.09	-30.84	0.08	Gyro MS	Scientific Drilling
11/13/2007	2,400.00	1.74	202.34	2,392.55	151.99	-150.94	-31.81	0.21	Gyro MS	Scientific Drilling
11/13/2007	2,500.00	1.87	218.59	2,492.50	155.07	-153.62	-33.41	0.53	Gyro MS	Scientific Drilling
11/13/2007	2,600.00	2.04	218.91	2,592.44	158.33	-156.28	-35.54	0.17	Gyro MS	Scientific Drilling
11/13/2007	2,700.00	1.72	209.43	2,692.39	161.52	-158.97	-37.40	0.45	Gyro MS	Scientific Drilling
11/13/2007	2,800.00	1.74	210.63	2,792.34	164.51	-161.58	-38.91	0.04	Gyro MS	Scientific Drilling
11/13/2007	2,900.00	1.92	207.92	2,892.29	167.67	-164.37	-40.47	0.20	Gyro MS	Scientific Drilling
11/13/2007	3,000.00	2.34	208.01	2,992.22	171.37	-167.65	-42.21	0.42	Gyro MS	Scientific Drilling
11/13/2007	3,100.00	2.43	202.76	3,092.13	175.51	-171.41	-43.99	0.24	Gyro MS	Scientific Drilling
11/13/2007	3,200.00	2.39	193.96	3,192.05	179.70	-175.39	-45.31	0.37	Gyro MS	Scientific Drilling
11/13/2007	3,300.00	2.44	187.35	3,291.96	183.83	-179.52	-46.09	0.28	Gyro MS	Scientific Drilling

Directional Survey

SAN JUAN 29-7 UNIT #58N

Survey Data

Date	MD (ftKB)	Incl. (°)	Azm. (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Method	Survey Company
11/13/2007	3,400.00	2.59	183.07	3,391.86	188.03	-183.89	-46.48	0.24	Gyro MS	Scientific Drilling
11/13/2007	3,500.00	2.11	181.36	3,491.78	191.90	-187.99	-46.64	0.49	Gyro MS	Scientific Drilling
11/13/2007	3,600.00	1.37	180.17	3,591.73	194.73	-191.02	-46.69	0.74	Gyro MS	Scientific Drilling
11/13/2007	3,700.00	0.88	191.11	3,691.71	196.60	-192.97	-46.84	0.53	Gyro MS	Scientific Drilling
11/13/2007	3,800.00	0.60	212.73	3,791.70	197.87	-194.17	-47.27	0.39	Gyro MS	Scientific Drilling
11/13/2007	3,900.00	0.53	216.99	3,891.70	198.83	-194.98	-47.84	0.08	Gyro MS	Scientific Drilling
11/13/2007	4,000.00	0.37	231.48	3,991.69	199.56	-195.55	-48.37	0.20	Gyro MS	Scientific Drilling
11/13/2007	4,100.00	0.38	258.37	4,091.69	200.02	-195.82	-48.94	0.17	Gyro MS	Scientific Drilling
11/13/2007	4,200.00	0.27	251.72	4,191.69	200.35	-195.96	-49.49	0.12	Gyro MS	Scientific Drilling
11/13/2007	4,300.00	0.30	271.21	4,291.69	200.60	-196.02	-49.98	0.10	Gyro MS	Scientific Drilling
11/13/2007	4,400.00	0.35	280.42	4,391.69	200.75	-195.96	-50.54	0.07	Gyro MS	Scientific Drilling
11/13/2007	4,500.00	0.32	276.42	4,491.69	200.88	-195.88	-51.12	0.04	Gyro MS	Scientific Drilling
11/13/2007	4,600.00	0.35	269.82	4,591.69	201.07	-195.85	-51.70	0.05	Gyro MS	Scientific Drilling
11/13/2007	4,700.00	0.33	285.47	4,691.68	201.21	-195.77	-52.28	0.09	Gyro MS	Scientific Drilling
11/13/2007	4,800.00	0.42	303.43	4,791.68	201.17	-195.49	-52.87	0.15	Gyro MS	Scientific Drilling
11/13/2007	4,900.00	0.35	295.96	4,891.68	201.08	-195.16	-53.45	0.09	Gyro MS	Scientific Drilling
11/13/2007	5,000.00	0.15	255.23	4,991.68	201.13	-195.06	-53.85	0.26	Gyro MS	Scientific Drilling
11/13/2007	5,100.00	0.30	248.28	5,091.68	201.39	-195.19	-54.22	0.15	Gyro MS	Scientific Drilling
11/13/2007	5,200.00	0.61	241.57	5,191.67	201.98	-195.54	-54.93	0.31	Gyro MS	Scientific Drilling
11/13/2007	5,300.00	0.80	218.57	5,291.67	203.05	-196.34	-55.83	0.34	Gyro MS	Scientific Drilling
11/13/2007	5,400.00	1.03	196.07	5,391.65	204.62	-197.75	-56.52	0.42	Gyro MS	Scientific Drilling
11/13/2007	5,500.00	0.76	206.19	5,491.64	206.17	-199.20	-57.06	0.31	Gyro MS	Scientific Drilling
11/13/2007	5,600.00	0.73	204.97	5,591.63	207.47	-200.38	-57.62	0.03	Gyro MS	Scientific Drilling
11/13/2007	5,700.00	0.67	230.13	5,691.63	208.62	-201.33	-58.34	0.31	Gyro MS	Scientific Drilling
11/13/2007	5,800.00	0.57	236.04	5,791.62	209.55	-201.98	-59.20	0.12	Gyro MS	Scientific Drilling
11/13/2007	5,900.00	0.41	247.19	5,891.62	210.21	-202.40	-59.94	0.19	Gyro MS	Scientific Drilling
11/13/2007	6,000.00	0.46	244.78	5,991.61	210.75	-202.71	-60.63	0.05	Gyro MS	Scientific Drilling
11/13/2007	6,100.00	0.48	241.35	6,091.61	211.37	-203.08	-61.37	0.03	Gyro MS	Scientific Drilling
11/13/2007	6,200.00	0.62	253.10	6,191.61	212.03	-203.44	-62.25	0.18	Gyro MS	Scientific Drilling
11/13/2007	6,300.00	0.70	267.89	6,291.60	212.61	-203.62	-63.38	0.19	Gyro MS	Scientific Drilling
11/13/2007	6,400.00	0.61	287.77	6,391.59	212.90	-203.48	-64.50	0.24	Gyro MS	Scientific Drilling
11/13/2007	6,500.00	0.47	290.92	6,491.59	212.94	-203.17	-65.39	0.14	Gyro MS	Scientific Drilling
11/13/2007	6,600.00	0.53	292.65	6,591.58	212.94	-202.84	-66.20	0.06	Gyro MS	Scientific Drilling
11/13/2007	6,700.00	0.47	291.78	6,691.58	212.93	-202.51	-67.00	0.06	Gyro MS	Scientific Drilling
11/13/2007	6,800.00	0.40	272.92	6,791.58	213.04	-202.34	-67.73	0.16	Gyro MS	Scientific Drilling
11/13/2007	6,900.00	0.54	280.43	6,891.57	213.25	-202.24	-68.55	0.15	Gyro MS	Scientific Drilling
11/13/2007	7,000.00	0.82	288.77	6,991.57	213.38	-201.93	-69.69	0.30	Gyro MS	Scientific Drilling
11/13/2007	7,100.00	0.96	297.31	7,091.56	213.33	-201.31	-71.11	0.19	Gyro MS	Scientific Drilling
11/13/2007	7,200.00	1.56	275.59	7,191.53	213.63	-200.79	-73.21	0.76	Gyro MS	Scientific Drilling
11/13/2007	7,300.00	1.36	286.69	7,291.50	214.11	-200.32	-75.70	0.35	Gyro MS	Scientific Drilling
11/13/2007	7,400.00	0.86	277.39	7,391.48	214.40	-199.88	-77.58	0.53	Gyro MS	Scientific Drilling
11/13/2007	7,500.00	0.81	282.50	7,491.47	214.70	-199.63	-79.01	0.09	Gyro MS	Scientific Drilling
11/13/2007	7,550.00	0.44	271.26	7,541.47	214.83	-199.55	-79.55	0.78	Gyro MS	Scientific Drilling