

Submit 3 Copies To Appropriate District Office
District I
162 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

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

WELL API NO. 30-045-33583
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. 25016
7. Lease Name or Unit Agreement Name RIO BRAVO 27
8. Well Number 05
9. OGRID Number 234550
10. Pool name or Wildcat BASIN DK/BASIN FRUITLAND COAL

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	
2. Name of Operator NOBLE ENERGY, INC.	
3. Address of Operator 5802 US HIGHWAY 64 FARMINGTON, NEW MEXICO 87041	
4. Well Location Unit Letter E : 1505 feet from the NORTH line and 1245 feet from the WEST line Section 27 Township 31N Range 13W NMPM SAN JUAN County, NEW MEXICO	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5673' GL	

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
	CASING/CEMENT JOB ☐
OTHER: CONVERT GAS WELL TO A SALT WATER INJECTION WELL ☒	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

NOBLE ENERGY, INC. RESPECTFULLY SUBMITS DOCUMENTATION FOR THE CONVERSION OF THE SUBJECT WELL FROM AN UNECONOMIC PRODUCING GAS WELL INTO A SALT WATER INJECTION WELL.

The swab testing reports/documents are attached to comply with Administrative Order SWD-1207 REQUIREMENTS.

NOBLE ENERGY, INC. proposes the conversion to begin on May 19, 2010. This will serve as official written notice to the NMOC.

* Please refer to the water sampling requirements on the C-103 Sunday, MAY 16 '10 received in our office on 4/29/10

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

SIGNATURE Billie Maez TITLE REGULATORY COMPLIANCE DATE 05/11/2010

Type or print name **BILLIE MAEZ** E-mail address: bmaez@nobleenergyinc.com PHONE: 505-632-8056
For State Use Only

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUN 03 2010

Conditions of Approval (if any):

* See Above



Partner Summary Report

Date: 4/15/2010

Report #: 22.0

DOL: 10.41

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Well Name	Operator	API	Block	County/Parish	State/Province	Total Depth (ftKB)	Current PBD (ftKB)
RIO BRAVO 27-05	NOBLE ENERGY INC.	30-045-33583		SAN JUAN	NEW MEXICO		Original Hole - 6675.0
Prospect	Prospect Number	Latitude (°)	Longitude (°)	Quarter Quarter	Section/Abstract	Township/Survey	Range
				NE SW NW	27	31N	13W
Spud Date	TD Date		Rig Release Date		First Production Date		
10/2/2006	10/19/2006						

AFE Number	Normalized Total AFE Amount	Daily Cost Total	Cost To Date	Depth, MD (ftKB)	Depth, TVD (ftKB)
		15,380	203,828	0	
Dens (lb/gal)		Vis (cP)			

Job: COMPLETION/WORKOVER, Job Start Date: 1/4/2010 06:30

Objective	Target Formation	Target Depth (ftKB)
Report Start Date	Report End Date	Operations Summary
4/14/2010 06:00	4/15/2010 06:00	INCIDENT FREE DAY. SICP 0 PSIG. PERF MESAVERDE (POINT LOOKOUT) @ 4 JSPF, 120 DEG PHASING W/OVEN TAG - 3375-311L 19 GRAM CHARGE FR/4,200' - 4,286', 5 GUN RUNS, 344 HOLES UNDER FULL LUB. TIH W/7" PKR. SET PKR @ 4,164'. RU SWAB TLS. BFL SURF, SWAB 16 BBLs WTR, 8 RUNS, 3 HRS, FFL 4,164' FS (SN). DRK BRN FLD SMPL TAKEN ON LAST RUN. RD SWB TLS. SWI. SDFN.

Time Log					
Start Time	End Time	Dur (hrs)	Depth Start (ftKB)	Depth End (ftKB)	Comment
06:00	07:00	1.00			OTHER ROAD CREW TO LOCATION.
07:00	07:30	0.50			SFTY HELD PJSM W/RIG CREW AND WEATHERFORD WL PERSONNEL ON PERFORATING, PINCH POINTS, STRIKE & RED ZONE. DISCUSSED WAYS ON IDENTIFYING HAZARDS.
07:30	13:00	5.50			PERF SICP 0 PSIG. MIRU WEATHERFORD WLU TOOLS & EQUIP. RIH UNDER FULL LUB W/7" GAUGE RING TO 4,296' (WLD PBD). RUN CCL STRIP LOG FR/4,296' - 3,200'. CORRELATED CCL STRIP LOG TO WEATHERFORD CCL/CBL/GR LOG RAN ON 11/30/2006. POOH W/ GAUGE RING. RIH W/3-1/8" SLICK GUNS PERF MESAVERDE (POINT LOOKOUT) @ 4 JSPF, 120 DEG PHASING W/OVEN TAG - 3375-311L 19 GRAM CHARGE FR/4,200' - 4,286', 5 GUN RUNS, 344 HOLES UNDER FULL LUB. VISUAL INSPECT GUNS ALL SHOTS FIRED. RDMO WLU TOOLS & EQUIP.
13:00	14:30	1.50			TRIP PU & TIH W/7" PKR. UNLOADER. XO: SN, 1 JT 2-3/8" TBG, 2' X 2-3/8" TBG SUB & 131 JTS 2-3/8" TBG. SET PKR @ 4,164' W/30K TENS.
14:30	18:00	3.50			SWAB RU SWAB TLS. BFL SURF, SWAB 16 BBLs WTR, 8 RUNS, 2 HRS, FFL 4,164' FS. DRK BRN FLD SMPL TAKEN ON LAST RUN. RD SWB TLS
18:00	18:30	0.50			OTHER SWI. CLOSE AND LOCK PIPE RAMS. SECURE LOCATION. SDFN.

Survey Data							
MD (ftKB)	TVD (ftKB)	Azm (°)	Incl (°)	N/-S (ft)	E/-W (ft)	VS (ft)	DLS (°/100ft)

Casing Strings			
Casing Description	Set Depth (ftKB)	Run Date	
SURFACE	332.0	10/3/2006	
INTERMEDIATE	4,640.0	10/10/2006	
PRODUCTION	6,675.0	10/21/2006	

Cement Stages			
Description	Top (ftKB)	Bottom (ftKB)	Start Date
Production Casing Cement	4,636.0	6,675.0	10/21/2006
Surface Casing Cement	0.0	336.0	10/3/2006
Intermediate Casing Cement	3,400.0	4,650.0	10/10/2006
Intermediate Casing Cement	0.0	2,059.0	10/10/2006

Tubing Strings		
Tubing	Set Depth (ftKB)	Run Date
Tubing set at 6,504.0ftKB on 1/22/2006 00:00	6,504.0	1/22/2006

Perforations			
Zone	Top (ftKB)	Blm (ftKB)	Date
FRUITLAND COAL, Original Hole	1,630.0	1,796.0	1/22/2007
FRUITLAND COAL, Original Hole	1,630.0	1,638.0	1/22/2007
FRUITLAND COAL, Original Hole	1,672.0	1,702.0	1/22/2007
FRUITLAND COAL, Original Hole	1,788.0	1,796.0	1/22/2007



Partner Summary Report

Date: 4/15/2010

Report #: 22.0

DOL: 10.41

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Perforations			
Zone	Top (ftKB)	Btm (ftKB)	Date
DAKOTA, Original Hole	6,442.0	6,544.0	1/22/2007
Stimulations & Treatments			
Zone	V (slurry) (gal)	Est Prop Form (lb)	Date
FRUITLAND COAL, Original Hole			1/22/2007
FRUITLAND COAL, Original Hole			1/22/2007



Partner Summary Report

Date: 4/16/2010

Report #: 23.0

DOL: 10.93

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Well Name RIO BRAVO 27-05	Operator NOBLE ENERGY INC.	API 30-045-33583	Block	County/Parish SAN JUAN	State/Province NEW MEXICO	Total Depth (ftKB)	Current PBTD (ftKB) Original Hole - 6675.0
Prospect	Prospect Number	Latitude (")	Longitude (")	Quarter Quarter NE SW NW	Section/Abstract 27	Township/Survey 31N	Range 13W
Spud Date 10/2/2006	TD Date 10/19/2006		Rig Release Date		First Production Date		

AFE Number	Normalized Total AFE Amount	Daily Cost Total	Cum Cost To Date	Depth, MD (ftKB)	Depth, TVD (ftKB)
		3,280	207,108	0	
Dens (lb/gal)			Vis (s/qt)		

Job: COMPLETION/WORKOVER, Job Start Date: 1/4/2010 06:30

Objective	Target Formation	Target Depth (ftKB)
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Report Start Date 4/15/2010 06:00	Report End Date 4/16/2010 06:00	Operations Summary SICP 0 PSIG (PKR). SITP 32 PSIG. BD WELL. RU SWAB TLS. BFL 3,313' FS, SWAB 9 BBLS WTR, 4 RUNS, 2 HRS, FFL 4,067' (SN @ 4164'), DRK BRN FLD SMPL. ON 4TH SWAB RUN OPERATOR RAN INTO OIL SAVER PACK-OFF AND LOST SWAB TOOLS IN HOLE. RLSD PKR. TOH. FOUND SWAB TOOLS ON TOP OF SN. SN AND TOOLS NOT DAMAGED. PU & TIH W/7" PKR, SET PKR @ 4,164'. RU SWAB TLS. BFL 1,200', SWAB 12 BBLS WTR, 6 RUNS, 1.50 HRS, FFL 4,164' FS. DRK BRN FLD SMPL. ON LAST SWB RUN. RD SWB TLS. FOUND SWB TLS W/O NO GO AND SWAB CUP.
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Time Log

Start Time	End Time	Dur (hrs)	Depth Start (ftKB)	Depth End (ftKB)	Rpt Code	Comment
06:00	07:00	1.00			OTHER	ROAD CREW TO LOCATION.
07:00	07:30	0.50			SFTY	HELD PJSM W/RIG CREW. DISCUSSED SWABBING, PINCH POINTS, STRIKE & RED ZONE AND WAYS ON IDENTIFYING HAZARDS.
07:30	08:30	1.00			RS	CUT SAND-LINE AND POUR NEW ROPE SOCKET.
08:30	11:00	2.50			SWAB	SICP 0 PSIG (PKR). SITP 32 PSIG. BD WELL. RU SWAB TLS. BFL 3,313' FS, SWAB 9 BBLS WTR, 4 RUNS, 2 HRS, FFL 4,067' (SN @ 4164'), DRK BRN FLD.
11:00	13:00	2.00			P-HUM	ON 4TH SWAB RUN OPERATOR RAN INTO OIL SAVER PACK-OFF AND LOST SWAB TOOLS IN HOLE. RD SWAB EQUIP. HELD PJSM W/CREW DISCUSSED PROCEDURES IN PLACING SAND LINE BACK IN DERRICK. STRING SAND-LINE BACK IN DERRICK. POUR NEW ROPE SOCKET FOR SAND-LINE.
13:00	15:00	2.00			TRIP	OPEN UNLOADER AND EQUALIZE. RLSD PKR SET AT 4,164'. TOH W/131 JTS 2-3/8" TBG, 2' X 2-3/8" TBG SUB, 1 JT 2-3/8" TBG, SN, XO, UNLOADER & PKR. FOUND SWAB TOOLS ON TOP OF SN. SN AND TOOLS NOT DAMAGED.
15:00	16:30	1.50			TRIP	PU & TIH W/7" PKR, UNLOADER, XO, SN, 1 JT 2-3/8" TBG, 2' X 2-3/8" TBG SUB & 131 JTS 2-3/8" TBG. SET PKR @ 4,164' W/30K TENS.
16:30	18:00	1.50			SWAB	RU SWAB TLS. BFL 1,200' F. SWAB 12 BBLS WTR, 6 RUNS, 1.50 HRS, FFL 4,164' FS. DRK BRN FLD SMPL. ON LAST SWB RUN. RD SWB TLS. FOUND SWB TLS W/O NO GO AND SWAB CUP.
18:00	18:30	0.50			OTHER	SWI. SHUT AND LOCK PIPE RAMS. SECURE LOCATION. SDFN.

Survey Data

MD (ftKB)	TVD (ftKB)	Azm (")	Incl (")	+N / -S (ft)	+E / -W (ft)	VS (ft)	DLS (°/100ft)
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Casing Strings

Casing Description	Set Depth (ftKB)	Run Date
SURFACE	332.0	10/3/2006
INTERMEDIATE	4,640.0	10/10/2006
PRODUCTION	6,675.0	10/21/2006

Cement Stages

Description	Top (ftKB)	Bottom (ftKB)	Start Date
Production Casing Cement	4,636.0	6,675.0	10/21/2006
Surface Casing Cement	0.0	336.0	10/3/2006
Intermediate Casing Cement	3,400.0	4,650.0	10/10/2006
Intermediate Casing Cement	0.0	2,059.0	10/10/2006

Tubing Strings

Tubing	Set Depth (ftKB)	Run Date
Tubing set at 6,504.0ftKB on 1/22/2006 00:00	6,504.0	1/22/2006



Partner Summary Report

Date: 4/16/2010

Report #: 23.0

DOL: 10.93

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Perforations			
Zone	Top (RKB)	Blm (RKB)	Date
FRUITLAND COAL, Original Hole	1,630.0	1,796.0	1/22/2007
FRUITLAND COAL, Original Hole	1,630.0	1,638.0	1/22/2007
FRUITLAND COAL, Original Hole	1,672.0	1,702.0	1/22/2007
FRUITLAND COAL, Original Hole	1,788.0	1,796.0	1/22/2007
DAKOTA, Original Hole	6,442.0	6,544.0	1/22/2007
Stimulations & Treatments			
Zone	V (slurry) (gal)	Est Prop Form (lb)	Date
FRUITLAND COAL, Original Hole			1/22/2007
FRUITLAND COAL, Original Hole			1/22/2007



Partner Summary Report

Date: 4/17/2010

Report #: 24.0

DOL: 11.41

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Well Name	Operator	API	Block	County/Parish	State/Province	Total Depth (ftKB)	Current PBTD (ftKB)
RIO BRAVO 27-05	NOBLE ENERGY INC.	30-045-33583		SAN JUAN	NEW MEXICO		Original Hole - 6675.0
Prospect	Prospect Number	Latitude (°)	Longitude (°)	Quarter: Quarter	Section/Abstract	Township/Survey	Range
				NE SW NW	27	31N	13W
Spud Date	TD Date		Rig Release Date		First Production Date		
10/2/2006	10/19/2006						

AFE Number	Normalized Total AFE Amount	Daily Cost Total	Cum Cost To Date	Depth, MD (ftKB)	Depth, TVD (ftKB)
		2,880	209,988	0	
Dens (lb/gal)			Vis (c/st)		

Job: COMPLETION/WORKOVER, Job Start Date: 1/4/2010 06:30

Objective	Target Formation	Target Depth (ftKB)
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Report Start Date	Report End Date	Operations Summary
4/16/2010 06:00	4/17/2010 06:00	INCIDENT FREE DAY. SICP 0 PSIG (PKR). SITP 20 PSIG. BD WELL. RLSD PKR. TOH. FOUND NO-GO AND SWAB CUP ON SN. TIH W/PKR. SET PKR @ 4,164'. RU SWB TLS. BFL 2,500' FS, SWB 12 BBLS WTR, 8 RUNS, 3.00 HRS, FFL 4,164' FS (SN), BRN FLD SMPL. RD SWB TLS. TAKE FLD SMPL TO ENVIROTECH FOR TDS ANALYSIS. SWI. SDFWE.

Time Log

Start Time	End Time	Dur (hrs)	Depth Start (ftKB)	Depth End (ftKB)	Rpt Code	Comment
06:00	07:00	1.00			OTHER	ROAD CREW TO LOCATION.
07:00	07:30	0.50			SFTY	HELD PJSM W/RIG CREW. DISCUSSED SWABBING, PINCH POINTS, STRIKE & RED ZONE AND WAYS ON IDENTIFYING HAZARDS
07:30	09:30	2.00			TRIP	OPEN UNLOADER AND EQUALIZE. RLSD PKR SET AT 4,164'. TOH W/131 JTS 2-3/8" TBG, 2' X 2-3/8" TBG SUB, 1 JT 2-3/8" TBG, SN, XO, UNLOADER & PKR. FOUND SWAB NO-GO AND CUP ON SN.
09:30	11:00	1.50			TRIP	TIH W/7" PKR, UNLOADER, XO, SN, 1 JT 2-3/8" TBG, 2' X 2-3/8" TBG SUB & 131 JTS 2-3/8" TBG. SET PKR @ 4,164' W/30K TENS
11:00	12:30	1.50			RS	CUT SAND-LINE AND POUR NEW ROPE SOCKET.
12:30	17:00	4.50			SWAB	RU SWB TLS. BFL 2,500' FS, SWB 12 BBLS WTR, 8 RUNS, 3.00 HRS, FFL 4,164' FS (SN), BRN FLD SMPL. RD SWB TLS. TAKE FLD SMPL TO ENVIROTECH FOR TDS ANALYSIS
17:00	17:30	0.50			OTHER	SWI. CLOSE AND LOCK PIPE RAMS. SECURE LOCATION. SDFWE.

Survey Data

MD (ftKB)	TVD (ftKB)	Azm (°)	Ind (°)	N / -S (ft)	E / -W (ft)	VS (ft)	DLS (°/100ft)

Casing Strings

Casing Description	Set Depth (ftKB)	Run Date
SURFACE	332.0	10/3/2006
INTERMEDIATE	4,640.0	10/10/2006
PRODUCTION	6,675.0	10/21/2006

Cement Stages

Description	Top (ftKB)	Blm (ftKB)	Start Date
Production Casing Cement	4,636.0	6,675.0	10/21/2006
Surface Casing Cement	0.0	336.0	10/3/2006
Intermediate Casing Cement	3,400.0	4,850.0	10/10/2006
Intermediate Casing Cement	0.0	2,059.0	10/10/2006

Tubing Strings

Tubing	Set Depth (ftKB)	Run Date
Tubing set at 6,504.0ftKB on 1/22/2006 00:00	6,504.0	1/22/2006

Perforations

Zone	Top (ftKB)	Blm (ftKB)	Date
FRUITLAND COAL, Original Hole	1,630.0	1,796.0	1/22/2007
FRUITLAND COAL, Original Hole	1,630.0	1,638.0	1/22/2007
FRUITLAND COAL, Original Hole	1,672.0	1,702.0	1/22/2007
FRUITLAND COAL, Original Hole	1,788.0	1,798.0	1/22/2007
DAKOTA, Original Hole	6,442.0	6,544.0	1/22/2007

Stimulations & Treatments

Zone	V (slurry) (gal)	Est Prop Form (lb)	Date
FRUITLAND COAL, Original Hole			1/22/2007
FRUITLAND COAL, Original Hole			1/22/2007



Partner Summary Report

Date: 4/20/2010

Report #: 25.0

DOL: 11.82

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Well Name	Operator	API	Block	County/Parish	State/Province	Total Depth (ftKB)	Current PBTD (ftKB)
RIO BRAVO 27-05	NOBLE ENERGY INC.	30-045-33583		SAN JUAN	NEW MEXICO		Original Hole - 6675.0
Prospect	Prospect Number	Latitude (°)	Longitude (°)	Quarter Quarter	Section/Abstract	Township/Survey	Range
				NE SW NW	27	31N	13W
Spud Date	TD Date		Rig Release Date		First Production Date		
10/2/2006	10/19/2006						

AFE Number	Normalized Total AFE Amount	Daily Cost Total	Cum Cost To Date	Depth, MD (ftKB)	Depth, TVD (ftKB)
		2,880	212,868	0	
Dens (lb/gal)			Vis (cP)		

Job: COMPLETION/WORKOVER Job Start Date: 4/4/2010 06:30

Objective	Target Formation	Target Depth (ftKB)
Report Start Date	Report End Date	Operations Summary
4/19/2010 06:00	4/20/2010 06:00	SICP 20 PSIG (PKR). SITP 50 PSIG. BD WELL. OPEN UNLOADER AND EQUALIZE. RLSD PKR. TOH. TIH W/2-3/8" MULE SHOE CLPG AND 136 JTS 2-3/8" TBG, 2-3/8" x 2-7/8" XO. LAND TBG W/ DONUT. RDMO AZTEC RIG 266 TOOLS AND EQUIP.

Time Log

Start Time	End Time	Dur (hrs)	Depth Start (ftKB)	Depth End (ftKB)	Rpl Code	Comment
06:00	07:00	1.00			OTHER	ROAD CREW TO LOCATION.
07:00	08:00	1.00			P-DT	UPON ARRIVING RIG CREW FOUND LOCATION HAD BEEN VANDALIZED. CALLED SAN JUAN COUNTY SHERIFFS DEPARTMENT. WAIT FOR SHERIFF TO ARRIVE ON LOCATION. SHERIFF PERFORMED INVESTIGATION OF LOCATION AND AZTEC WELL SERVICE. MISSING CLOTHING (BOOTS, COATS & TOOLS). NO FUEL WAS MISSING.
08:00	08:30	0.50			SFTY	HELD PJSM W/RIG CREW. DISCUSSED DAMAGE TO EQUIP AND WHAT TO LOOK FOR, PINCH POINTS, STRIKE & RED ZONE AND WAYS ON IDENTIFYING HAZARDS.
08:30	10:00	1.50			TRIP	SICP 20 PSIG (PKR). SITP 50 PSIG. BD WELL. OPEN UNLOADER AND EQUALIZE. RLSD PKR SET AT 4,164'. TOH W/131 JTS 2-3/8" TBG, 2" X 2-3/8" TBG SUB, 1 JT 2-3/8" TBG, SN, XO, UNLOADER & PKR.
10:00	11:30	1.50			TRIP	TIH W/2-3/8" MULE SHOE CLPG AND 136 JTS 2-3/8" TBG.
11:30	13:00	1.50			ND BOP	LAND TBG W/2-3/8" X 2-7/8" XO AND 2-7/8" DONUT AS FOLLOWS: EOT @ 4,292'. RUN IN LOCK DWN PINS. ND BOP. NU NEW WH FR/ANTELOPE.
13:00	14:30	1.50			RURD	RD AZTEC RIG 266 TOOLS AND EQUIP. RD FLOW LINES AND FLOW BACK TK.
14:30	15:00	0.50			SFTY	HELD PJSM W/TRUCKING AND RIG PERSONNEL.
15:00	16:00	1.00			RIG MVE	LOAD OUT RIG EQUIP. RLSD AZTEC RIG #266 @ 15:00 HRS.

Survey Data

MD (ftKB)	TVD (ftKB)	Azm (°)	Incl (°)	+N/-S (ft)	+E/-W (ft)	VS (ft)	DLS (°/100ft)

Casing Strings

Casing Description	Set Depth (ftKB)	Run Date
SURFACE	332.0	10/3/2006
INTERMEDIATE	4,640.0	10/10/2006
PRODUCTION	6,675.0	10/21/2006

Cement Stages

Description	Top (ftKB)	Btm (ftKB)	Start Date
Production Casing Cement	4,636.0	6,675.0	10/21/2006
Surface Casing Cement	0.0	336.0	10/3/2006
Intermediate Casing Cement	3,400.0	4,650.0	10/10/2006
Intermediate Casing Cement	0.0	2,059.0	10/10/2006

Tubing Strings

Tubing	Set Depth (ftKB)	Run Date
Tubing set at 6,504.0ftKB on 1/22/2006 00:00	6,504.0	1/22/2006

Perforations

Zone	Top (ftKB)	Btm (ftKB)	Date
FRUITLAND COAL, Original Hole	1,630.0	1,796.0	1/22/2007
FRUITLAND COAL, Original Hole	1,630.0	1,638.0	1/22/2007
FRUITLAND COAL, Original Hole	1,672.0	1,702.0	1/22/2007
FRUITLAND COAL, Original Hole	1,788.0	1,796.0	1/22/2007



Partner Summary Report

Date: 4/20/2010

Report #: 25.0

DOL: 11.82

Well Name: RIO BRAVO 27-05

Spud Date: 10/2/2006

Perforations			
Zone	Top (ftKB)	Blm (ftKB)	Date
DAKOTA, Original Hole	6,442.0	6,544.0	1/22/2007
Stimulations & Treatments			
Zone	V (slurry) (gal)	Est Prop Form (lb)	Date
FRUITLAND COAL, Original Hole			1/22/2007
FRUITLAND COAL, Original Hole			1/22/2007