



Washington

Regulatory and Environmental Services
(an affiliate of Washington TRU Solutions LLC)

WRES:06:111
UFC:5486.00

October 12, 2006

Mr. Bryan Arrant, Geologist
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

SUBJECT: JOINT POWERS AGREEMENT ON MANAGEMENT OF THE WIPP LAND WITHDRAWAL
AREA, SECTION 1(G)(1)(A); TRANSMITTAL OF NON-PROPRIETARY BOREHOLE
COMPLETION REPORTS

30 - 015 - 34218
1 - 24 - 22 - 30

Dear Mr. Arrant:

Enclosed are copies of daily drill reports for recently completed boreholes with surface locations within 330 feet of the WIPP Land Withdrawal Area (WLWA) boundary. They are Apache 24 Federal #10H completed by Devon Energy and Llama ALL Federal #6 completed by Yates Petroleum. This information is being transmitted to you per the referenced section in the Joint Powers Agreement because the surface locations of these boreholes are within 330 feet of the WLWA boundary.

Information provided by Yates and Devon for these wells indicates that the WLWA boundary was not penetrated during drilling operations:

With respect to the attached information in the attached reports, neither the U.S. Department of Energy nor its agents, representatives, or contractors makes any warranty, express or implied, concerning the accuracy or completeness of the information. Nor do they assume any legal liability or responsibility for the accuracy, completeness or usefulness of the information or represents that its use would not infringe privately owned rights.

If you have any questions concerning this matter, please contact me at 505-234-7545.

Sincerely,

Steven C. Kowalski

for D. T. Bignell
Director

Enclosure

cc: (without enclosure)
V. Daub, CBFO
H. E. Johnson, CBFO
D. C. Moody, CBFO
L. L. Piper, CBFO
C. Stroud, LANL





DEVON ENERGY

Apache 24 FED 10H

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME		24 HRS PROG		TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H							1	12/17/2005
RIG NAME & NO.		FOREMAN		AFE NO.	AUTH MD	AUTH TVD	API NO.	
MCVAY DRILLING 7		JIMMY LIGHT		119314	10,576	7,590	30-015-34218-	
LAST CASING		NEXT CASING		DATE OF LAST SAFETY MEETING		LAST BOP PRES TEST		INCIDENT IDENTIFICATION
(in) @ (ft)		(in) @ (ft)						
FIELD NAME		LEAKOFF		MW		WI		NRI
QUAHADA RIDGE SOUTHEAST				100.00000				
LITHOLOGY		DAILY DRLG		DAILY COMP COST		DAILY TOTAL COST		
		167,200		0		167,200		
CURRENT STATUS		CUM DRLG		CUM COMP COST		CUM TOTAL WELL COST		
		167,200		0		167,200		
24 HR FORECAST		AFE DHC		AFE COMP COST		AFE TOTAL PROJ COST		
		1,298,000		1,032,000		2,330,000		

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	06:00	24.00	MOVE	MOVE	MOB		MOVE FROM SPUD # 16 TO APACHE 24 FED # 10H

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	17	204.00	LAMISSSION	MOVE IN TRAILORS/SE	3	24.00
WILBANKS TRUCKING	TRUCKING/SWAMPER	24	288.00	B&L	SET UP SAT/ POTABLE	1	8.00
TESCO	TOP DRIVE	1	24.00	AKOME	INVOICE	1	0.50
SIERRA	CONSULTANT	1	24.00				

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME		24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H		235	235	235	1.00	3	12/19/2005
RIG NAME & NO.	FOREMAN	AFE NO.	AUTH MD	AUTH TVD	API NO.		
MCVAY DRILLING 7	JIMMY LIGHT	119314	10,576	7,590	30-015-34218-		
LAST CASING	NEXT CASING	DATE OF LAST SAFETY MEETING		LAST BOP PRES TEST		INCIDENT IDENTIFICATION	
(in) @ (ft)	13.375 (in) @ 650.00 (ft)	12/18/2005					
FIELD NAME		LEAKOFF	MW	WI	NRI		
QUAHADA RIDGE SOUTHEAST			8.40	100.00000			
LITHOLOGY		DAILY DRLG	DAILY COMP COST		DAILY TOTAL COST		
RED BED,SAND,SHALE		27,509	0		27,509		
CURRENT STATUS		CUM DRLG	CUM COMP COST		CUM TOTAL WELL COST		
DRLG		227,432	0		227,432		
24 HR FORECAST		AFE DHC	AFE COMP COST		AFE TOTAL PROJ COST		
DRLF SURF RUN CASING AND CEMENT		1,298,000	1,032,000		2,330,000		

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	10:00	4.00	SURF	MISC	RIGSER		RIG INSPECTION, PU BHA TO SPUD/ PRE SPUD SAFETY MEETING
10:00	13:00	3.00	SURF	DRLG	DRLG		DRLG 17.5 SURF HOLE 40'-200' ALL -35,000 WOB 120 RPMS
13:00	04:00	15.00	SURF	MISC	RIGSER	EF	REPAIRS @ TOP DRIVE. REPLACE HYDROLIC PUMP GASKETT AND HOSES IN DERRICK, WAITING ON PARTS
							REPAIRS @ TOP DRIVE
04:00	06:00	2.00	SURF	DRLG	DRLG		DRLG 200'-235' WOB ALL @ 42,000 RPMS 110

DENSITY(ppg)		8.40	PP		ECD		MUD DATA	DAILY COST			CUM COST		1,000	
FV	PV/YIP	GELS	WL/HTHP	FC/T.SOL	OIL/WAT		%Sand/MBT	Ph/pM	Pf/Mf	CI	Ca	H2S	LIME	ES
45	/	/	/	/	/		/	10.00/	/					

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
1 / 1	17.500	STC	EBXT1GS	10627770	16/16/16///	12/19/2005	-----	

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
1 / 1 / 1	5 / 50	75 / 110	523	900	617	5.00	235.0	47.00	5.00	235.0	47.00

BHA / HOLE CONDITIONS

BHA NO.	1	BIT NO.	1	JAR HRS OF SERVICE		BHA HRS SINCE INSP			
BHA WT. BELOW JARS	STRING WT. UP		STRING WT. DN		STRING WT. ROT		TORQUE / UNITS	BHA LENGTH	
	65		65		65		ft-lbf	309.30	
ITEM DESCRIPTION				NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE
MILL TOOTH BIT				1	1.25	17.500		7.625	REG
NEAR BIT STABILIZER				1	7.03			7.625	REG
PONY COLLAR				1	6.49				
CROSS OVER				1	2.93				
INTERGRAL BLADE STABILIZER				1	7.30				
DRILL COLLAR				1	30.66				
INTERGRAL BLADE STABILIZER				1	6.25				
SHOCK SUBS				1	9.60				
DRILL COLLAR				8	237.79				

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	17	204.00	TESCO	TOP DRIVE	1	24.00
WILBANKS TRUCKING	TRUCKING/SWAMPER	10	60.00	SIERRA	CONSULTANT	1	24.00

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	APACHE 24 FED 10H	24 HRS PROG	408	TMD	643	TVD	643	DFS	2.00	REPT NO.	4	DATE	12/20/2005
RIG NAME & NO.	MCVAY DRILLING 7	FOREMAN	JIMMY LIGHT	AFE NO.	119314	AUTH MD	10,576	AUTH TVD	7,590	API NO.	30-015-34218-		
LAST CASING	(in) @ (ft)	NEXT CASING	13.375 (in) @ 650.00 (ft)	DATE OF LAST SAFETY MEETING	12/18/2005	LAST BOP PRES TEST		INCIDENT IDENTIFICATION					
FIELD NAME	QUAHADA RIDGE SOUTHEAST	LEAKOFF		MW	8.40	WI	100.00000	NRI					
LITHOLOGY	R BED, ANHY	DAILY DRLG	68,026	DAILY COMP COST	0	DAILY TOTAL COST	68,026						
CURRENT STATUS	WOC	CUM DRLG	295,458	CUM COMP COST	0	CUM TOTAL WELL COST	295,458						
24 HR FORECAST		AFE DHC	1,298,000	AFE COMP COST	1,032,000	AFE TOTAL PROJ COST	2,330,000						
CUT OFF WELD HEAD, NU TST BOPS, PU BHA TIH, DRLG INS													

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	10:30	4.50	SURF	DRLG	DRLG		DRLG 235'-337' 40-50 K WOB 110 RPMS
10:30	11:00	0.50	SURF	DRLG	DEVSUR		DEV SURVEY .75 DEG. @ 300'
11:00	19:30	8.50	SURF	DRLG	DRLG		DRLG 337'-643' TD 17.5 SURF HOLE 55 K WOB 100 RPMS
19:30	20:00	0.50	SURF	DRLG	CIRC		CIRC, DROP TOTCO (NOTIFY RUSTY W/ BLM INTENT TO RUN AND CEMENT 13 3/8 CSG.)
20:00	22:00	2.00	SURF	DRLG	TRIP		TOH, LD 17.5 BHA
22:00	23:00	1.00	SURF	CSG	CSG		XO BAILS RU CASING CREW/ PRE JOB SAFETY MEETING W/ BULL ROGERS, MCVAY DRLG, SIERRA/DEVON
23:00	01:30	2.50	SURF	CSG	CSG		RUN 14 JTS 13 3/8 48# H40 ST&C CASING 647, SET @ 643' FLOAT INSERT @ 600'
01:30	02:00	0.50	SURF	CSG	CSG		CIRC CSG ON BOTT./RIG DOWN CASING CREW/ PRE JOB SAFETY MEETING W B J, MCVAY, SIERRA/DEVON
02:00	03:15	1.25	SURF	CSG	CMTPRI		RIG UP AND CEMENT 13 3/8 CASING W 350 SX 35; 65.6 POZ C & .25# SX CELLO FLAKE & 6% BENTONITE & 2% CCHL MIXED @ 12.8 YIELD @ 1.83 W 9.76 GAL SX WATER TAIL W 250 SX C & .25# SX CELLO FLAKE & 2% CCHL MIXED @ 14.8 YIELD @ 1.35 W 6.35 GAL SX WATER PLUG DOWN @ 03:15 CIR 150 SX TO RESERVE
03:15	06:00	2.75	SURF	CSG	CMTPRI		WOC

DENSITY(ppg)		8.40		PP			ECD	MUD DATA		DAILY COST				CUM COST		1,000			
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL		OIL/WAT		%Sand/MBT		Ph/pM		Pf/Mf		CI		Ca	H2S	LIME	ES
45	/	/	/	/		/		/		10.00/		/							

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
1 /	1	17.500	STC	EBXT1GS	10627770	16/16/16///	40.0	12/19/2005-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
1 / 1 /	150,000 / 55,000	75 / 110	523	900	617	13.00	408.0	31.38	18.00	643.0	35.72

BHA / HOLE CONDITIONS

BHA NO.	1	BIT NO.	1	JAR HRS OF SERVICE		BHA HRS SINCE INSP	
BHA WT. BELOW JARS		STRING WT. UP		STRING WT. DN		STRING WT. ROT	
						TORQUE / UNITS	
							309.30
ITEM DESCRIPTION				NO JTS	LENGTH	O.D.	I.D.
							CONN SIZE
							CONN TYPE
MILL TOOTH BIT				1	1.25	17.500	
NEAR BIT STABILIZER				1	7.03		
PONY COLLAR				1	6.49		
CROSS OVER				1	2.93		
INTERGRAL BLADE STABILIZER				1	7.30		

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	APACHE 24 FED 10H	24 HRS PROG	408	TMD	643	TVD	643	DFS	2.00	REPT NO.	4	DATE	12/20/2005
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ITEM DESCRIPTION	NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE
DRILL COLLAR	1	30.66				
INTERGRAL BLADE STABILIZER	1	6.25				
SHOCK SUBS	1	9.60				
DRILL COLLAR	8	237.79				

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
303.00	0.75	0.00	0.00	0.00	0.00	0.00	643.00	0.00	0.00	0.00	0.00	0.00	0.00

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	ROADRUNNER ROUST	HOOK UP SEPERATOR	3	24.00
TESCO	TOP DRIVE	1	24.00	JAIMES WELDING	SEPERATOR	2	16.00
SIERRA	CONSULTANT	1	24.00	SMITH BITS	DELIVER BIT	1	1.00
BJ	CEMT CSG	4		C & R TRANS	HAUL BRINE	4	12.00
BULL ROGERS	RUN CSG	4		SWACO	CHOKE PANEL	1	2.00

Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	13.0			48.00	H-40	ST&C	599.680	-3.00
INSERT	1.0				H-40			596.68
SHOE JOINT	1.0			48.00	H-40	ST&C	46.230	596.68
TX PATTERN SHOE	1.0			48.00	H-40		0.750	642.91

DAILY ONSHORE ORIG DRLG REPORT															Page 1 of 1									
APACHE 24 FED 10H															DATE: 12/20/2005									
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 4		SPUD DATE: 12/18/2005												
LOCATION: SEC. 24-22S-30E					LAT-LONG: 32.377 N - 103.827 W					FORMATION: SURFACE														
PROJECT: PB NEW MEXICO					KB ELEV: 3,400.00					LITHOLOGY: R BED. ANY														
FIELD: GUADALUPE RIDGE SOUTHEAST					WT: 180.00000					DEPTH: 843		DSS: 2.00		FOOTAGE: 408										
COUNTY: EDDY					API: 30-015-34218					RIG NM / NO: MCWAY		RIG PH #:		17										
STATE: NM					AFE #: 118914					RIG PH #:		S05 748-5211												
PROP. #: 418425-100					AFE DRLG COST: 1,288,000					AFE COMP COST: 1,032,000		AFE TOTAL COST: 2,320,000												
AUTH TVD: 7,580 (F)					DAILY DRLG COST: 68,026					DAILY COMP COST: 0		DAILY TOTAL COST: 68,026												
AUTH TMD: 10,578 (F)					CUM DRLG COST: 294,888					CUM COMP COST: 0		CUM TOTAL COST: 294,888												
BIT #	SERIAL #	TYPE	SIZE	IADC Code	FROM	TO	FEET	HRS	ROP	J-5	WOB	RPM	I	O	D	L	B	G	O	R				
1	1082770	EBX168	17.500		40.0	843.0	843.0	18.00	35.72	161816	55,000	110												
MUD PROPERTIES					MUD USED					HYDRAULICS														
Time: .					Mud Additive					PUMP #1					PUMP #2					PUMP #3				
Solids:					Used					Liner Size:					9.000					9.000				
MW: 8.40										Length Str:														
VISC: 45										SPM:														
pH: 10.00										GPM:														
CN: CA:										PSI: 900														
WL: Pm:										AV (DP):					AV (DC):									
HTHP: Pt:										PSI Drop: 617					HI-Pm:					0.783				
FC: Ex Lime:										SLOW PUMP RATES														
PV: Elec Stab:										PUMP #1					psi @					spm				
YP: MBT:										PUMP #2					psi @					spm				
LCM: LGS:																								
Daily Mud Lost to Hole:					bbls Daily / Cum Mud Cost:					\$ / 1,000														
Cum Mud Lost to Hole:					0.0 bbls Conn Gas:					Trip Gas:					Bled Gas:									
SURVEYS (Sidetrack: OH)																				BHA #: 1				
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length													
303.00	0.75							1	MILL TOOTH BIT	17.500	1.25													
643.00								1	NEAR BIT STABILIZER		7.03													
								1	PONY COLLAR		6.49													
								1	CROSS OVER		2.93													
								1	INTERGRAL BLADE STABILIZER		7.30													
								1	DRILL COLLAR		30.66													
								1	INTERGRAL BLADE STABILIZER		6.25													
								1	SHOCK SUBS		9.60													
								8	DRILL COLLAR		237.79													
										Total BHA Length:		309.30												
										String Wt Up:		65		Rotating String Wt:		65								
										String Wt Down:		65		BHA Hr Last Insp:										
LAST CASING / BOP / NEXT CASING																								
Depth: 0		FIT:		Size:		Wt:		Grade:		Connection:		Next Casing: 13.375 @ 850.00												
Last BOP Test Date:		Accident:		Loss Control Inc:		24 Hr Forecast:		CUT OFF WELD HEAD/NU TST BOPS,PU BHA																
Activity Last 24 Hours										COSTS SUMMARY														
From	To	Hrs	Prob?											Code	Description	Costs								
08:00	10:30	4.50	NO	DRLG 235-337 40-50 K WOB 110 RPMs										206-019	DRLG RATHOLE/COND									
10:30	11:00	0.60	NO	DEV SURVEY .75 DEG. @ 300'										206-043	DAY RATE	14,000.00								
11:00	19:30	8.50	NO	DRLG 337-843 TO 17.5 SURF HOLE 55 K WOB 100 RPMs										206-044	SAT	55.00								
19:30	20:00	0.30	NO	CIRC.DROP TOTCO (NOTIFY RUSTY W/ BLUMINTENT TO RUN AND CEMENT 13 3/8 CSG.)										206-103	PVT/COM SAT	310.00								
				TON/D 17.5 BHA										206-103	SEPTIC AND WATER	110.00								
				XO BAILS RU CASING CREW/ PRE JOB SAFETY MEETING W/ BULL ROGERS,MCWAY DRLG,SIERRA/DEVON										206-103	INTERCOMS	57.50								
				RUN 14 JTS 13 3/8 488 H40 ST&C CASING 847, SET @ 843'										206-103	TRASH TRAILOR	20.00								
				FLOAT INSERT @800'										206-103	TOP DRIVE	1,012.50								
01:30	02:00	0.50	NO	CIRC CSG ON BOTT./RIG DOWN CASING CREW/ PRE JOB SAFETY MEETING W/ BJ,MCWAY, SIERRA/DEVON										206-103	FORLIFT	560.00								
02:00	03:15	1.25	NO	RIG UP AND CEMENT 13 3/8 CASING W 350 SX 35,65.6 POZ C & 250 SX CELLO FLAKE & 6% BENTONITE & 2% CCHL MIXED @ 12.8 YIELD @ 1.83 W 9.78 GAL SX WATER TAIL W 250 SX C & 250 SX CELLO FLAKE & 2% CCHL MIXED @ 14.8 YIELD @ 1.35 W 6.35 GAL SX WATER PLUG DOWN @03:15 CIR 150 SX TO RESERVE										206-104	HOUSING 2 UNITS	150.00								
														206-203	SHOCK SUB	280.00								
														206-203	DELIVER 12.25 BHA	477.00								
														206-203	DELIVER 4.5 HWY WT,	1,500.00								
														206-251	CEMT SURF CSG	9,637.00								
														206-259	TONGS/CREW	2,160.00								
														206-259	INSPECT CASING									
														206-269	ON LOCATION SUPER	1,100.00								
														206-302	FRESH WATER	400.00								
														206-302	BRINE	3,320.00								
														206-302	POTABLE									
														206-895	SALES TAX	5,616.00								
														207-901	FLOAT EQUIP	1,500.00								
														207-901	13 3/8 H40 ST&C SURF	25,561.36								
										Total Daily Cost: 68,026														
										Cumulative Cost to Date: 294,888														
FOREMAN: JIMMY LIGHT																								

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WELL NAME		24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H		32	675	675	3.00	5	12/21/2005
RIG NAME & NO.	FOREMAN	AFE NO.	AUTH MD	AUTH TVD	API NO.		
MCVAY DRILLING 7	JIMMY LIGHT	119314	10,576	7,590	30-015-34218-		
LAST CASING	NEXT CASING	DATE OF LAST SAFETY MEETING		LAST BOP PRES TEST		INCIDENT IDENTIFICATION	
(in) @ (ft)	13.375 (in) @ 650.00 (ft)	12/20/2005		12/20/2005			
FIELD NAME		LEAKOFF	MW	WI	NRI		
QUAHADA RIDGE SOUTHEAST			10.00	100.00000			
LITHOLOGY		DAILY DRLG	DAILY COMP COST		DAILY TOTAL COST		
ANHY.SALT		62,060	0		62,060		
CURRENT STATUS		CUM DRLG	CUM COMP COST		CUM TOTAL WELL COST		
DRLG		357,518	0		357,518		
24 HR FORECAST		AFE DHC	AFE COMP COST		AFE TOTAL PROJ COST		
DRLG,DEV SURVEYS		1,298,000	1,032,000		2,330,000		

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	15:00	9.00	INTR1	CSG	CMTPRI		WOC
15:00	18:00	3.00	INTR1	BOPS	WLHEAD		CUT COND,13 3/8 CSG, INSTALL AND TEST WELL HEAD@
18:00	22:00	4.00	INTR1	BOPS	BOPS		NU BOP ANNULAR AND CHOKE MANIFOLD
22:00	01:00	3.00	INTR1	BOPS	BOPS		TEST BLIND RAMS -OUTSIDE CHOKE ,OUT SIDE KILL VALVES 250-1200 PSI 30 MIN TEST BLIN D RAMS-INSIDE CHOKE VALVES ,INSIDE KILL VALVES 250-1200 PSI 30 MIN TEST PIPE RAMS-INSIDE 4", INSIDE 2 " HCR VALVE 250 PSI-1200 PSI 30 MIN
01:00	03:00	2.00	INTR1	DRLG	BHA		PU BHA, TIH
03:00	03:30	0.50	INTR1	BOPS	BOPS		TEST ANNULAR AND CASING 250-1000 PSI 30 MIN
03:30	03:45	0.25	INTR1	DRLG	DRLG		DRLG INSERT @ 600' AND CEMENT TO 625'
03:45	04:15	0.50	INTR1	BOPS	BOPS		TEST SHOE @ 1000 PSI 30 MIN
04:15	04:45	0.50	INTR1	DRLG	DRLG		DRLG CEMENT 625'-643'
04:45	06:00	1.25	INTR1	DRLG	DRLG		DRLG 12.25 FORM 643'-675' 30 K WOB 60 RPMS

DENSITY(ppg)		10.00		PP		ECD		MUD DATA		DAILY COST		1,848		CUM COST		2,848	
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL	OIL/WAT		%Sand/MBT		Ph/pH	Pf/Mf	CI	Ca	H2S	LIME	ES		
29	/	/	/	/	/		/		10.00/	/							

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
2 /	12.250	STC	F25YC	MX8667	16/16/16///	643.0	12/21/2005	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
2 / / 1	30 / 30	55 / 60		1,200		1.25	32.0	25.60	1.25	32.0	25.60

BHA / HOLE CONDITIONS

[illegible]

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	32	675	675	3.00	5	12/21/2005

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	C & R TRANS	HAUL BRINE	4	12.00
TESCO	TOP DRIVE	1	24.00	SWACO	CHOKE PANEL	1	2.00
SIERRA	CONSULTANT	1	24.00	MONAHANS NU	NU BOP	4	24.00
JAIMES WELDING	WEL HEAD	1	12.00	CALLOWAY	HOOK UP H2S EQUIP	1	2.00

Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66				Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)				13.0			48.00	H-40	ST&C	599.680	-3.00
INSERT				1.0				H-40			596.68
SHOE JOINT				1.0			48.00	H-40	ST&C	46.230	596.68
TX PATTERN SHOE				1.0			48.00	H-40		0.750	642.91

devon

DAILY ONSHORE ORIG DRLG REPORT

APACHE 24 FED 10H

DATE: 12/21/2005

DISTRICT: PERMAN BASIN TIGHT GROUP: UNRESTRICTED REPORT NO: 5 SPUD DATE: 12/18/2005
 LOCATION: SEC. 24-22S-30E LAT-LONG: 32.377 N - 103.827 W FORMATION: INTM
 PROJECT: PB NEW MEXICO KB ELEV: 3,408.00 LITHOLOGY: ANHY.SALT
 FIELD: QUANAHUA RIDGE SOUTHEAST WR: 100.00000 DEPTH: 675 DSS: 3.00 FOOTAGE: 32
 COUNTY: EDDY APT: 30-016-3-4218 RIG N/A / NO: MCWAY 17
 STATE: NM RIG PH #: 505 748-6211
 PROP. #: 416425-100 AFE DRLG COST: 1,298,000 AFE COMP COST: 1,032,000 AFE TOTAL COST: 2,330,000
 AUTH TVD: 7,590 (ft) DAILY DRLG COST: 62,060 DAILY COMP COST: 0 DAILY TOTAL COST: 62,060
 AUTH TWD: 10,576 (ft) CUM DRLG COST: 357,048 CUM COMP COST: 0 CUM TOTAL COST: 357,048

BIT #	SERIAL #	TYPE	SIZE	MDC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R
2	100987	F25YC	12.250		643.0		32.0	1.25	25.60	1818/16	30	60								

MUD PROPERTIES				MUD USED				HYDRAULICS			
Time:	:	Solids:		Mud Additive		Used		PUMP #1	PUMP #2	PUMP #3	
MMV:	10.00	OB:		FRESH GEL		28		Liner Size:			
VISC:	29	10 sec Gel:		PAPER		26		Length Sirk:	9.000	9.000	
pH:	10.00	10 min Gel:		LIME		24		SPM:			
Ch:		CA:		MFSS		2		GPM:			
WL:		Pm:						PSI:	1,200		
HTHP:		Pf:						AV (DP):		AV (DC):	
FC:		Ex Limer:						PSI Drop:		HHP/in ² :	
PV:		Elec Stab:						SLOW PUMP RATES			
YP:		MBT:						PUMP #1	psi @	spm	
LGA:		LGS:						PUMP #2	psi @	spm	

Daily Mud Lost to Hole: bbls Daily / Cum Mud Cost: \$1,848 / 2,848

Cum Mud Lost to Hole: 0.0 bbls Coon Gas: Trip Gas:

Signd Gas:

SURVEYS (Side-track: OH)								BHA # 2			
MD	Angle	TVD	Dir	V Sect	+W-S	+E-W	D L	Qty	Description	OD	Length
303.00	0.75										
643.00											
								Total BHA Length: 0.00			
								String Wt Up: 80 Rotating String Wt: 80			
								String Wt Down: 80 BHA Hr Last Insp:			

LAST CASING / BOP / NEXT CASING

Depth: 0 FTT: Size: Wt: Grade: Connection: Next Casing: 13.375 @ 650.00
 Last BOP Test Date: 12/20/2005 Accident: N Loss Control Inc: 24 Hr Forecast: DRLG.DEV SURVEYS

Activity Last 24 Hours				COSTS SUMMARY		
From	To	Hrs	Prob?	Code	Description	Costs
08:00	15:00	9.00	NO	WOC		
15:00	16:00	3.00	NO	CUT COND, 13 3/8 CSG, INSTALL AND TEST WELL HEAD@		
16:00	22:00	4.00	NO	NU BOP ANNULAR AND CHOKE MANIFOLD		
22:00	01:00	3.00	NO	TEST BLIND RAMS -OUTSIDE CHOKE, OUT SIDE KILL		
				VALVES 250-1200 PSI 30 MIN		
				TEST BLIN D RAMS-INSIDE CHOKE VALVES, INSIDE KILL		
				VALVES 250-1200 PSI 30 MIN		
				TEST PIPE RAMS-INSIDE 4", INSIDE 2" HCR VALVE 250		
				PSI-1200 PSI 30 MIN		
01:00	03:00	2.00	NO	PU BHA, TH		
03:00	03:30	0.50	NO	TEST ANNULAR AND CASING 250-1000 PSI 30 MIN		
03:30	03:45	0.25	NO	DRLG INSERT @ 800' AND CEMENT TO 625'		
03:45	04:15	0.50	NO	TEST SHOE @ 1000 PSI 30 MIN		
04:15	04:45	0.50	NO	DRLG CEMENT 625'-643'		
04:45	08:00	1.25	NO	DRLG 12.25 FORM 643'-675' 30 K WOB 60 RPMs		
205-043				DAY RATE		14,000.00
205-044				SAT		55.00
205-101				12.25-F25YC		16,110.00
205-103				FORLIFT		550.00
205-103				TRASH TRAILOR		20.00
205-103				PVTACOM SAT		310.00
205-103				AUTO DRILLER		285.00
205-103				SEPTIC AND WATER		110.00
205-103				TOP DRIVE		1,012.50
205-103				HOUSING 2 UNITS		150.00
205-103				BOP 5 DAY MIN		3,000.00
205-103				ROT HEAD, FLO LN VLVE		250.00
205-103				INTERCOMS		67.50
205-104				SHOCK SUB		280.00
205-109				WELD, TEST HEAD		984.00
205-201				NU BOP		2,646.00
205-203				DELIVER 4.5 Hvy WT.		1,500.00
205-259				INSPECT CASING		789.00
205-269				ON LOCATION SUPER		1,100.00
205-302				BRINE		3,320.00
205-302				POTABLE		
205-302				FRESH WATER		400.00
205-552				H2S + SET UP		300.00
205-695				SALES TAX		6,099.00
207-801				FLOAT EQUIP		
207-801				13 3/8 HMD ST&C SURF		
207-831				WELL HEAD A& B SECTI		7,732.00

FOREMAN: JIMMY LIGHT

Total Daily Cost: 62,060
 Cumulative Cost to Date: 357,048

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME APACHE 24 FED 10H		24 HRS PROG 1,175	TMD 1,850	TVD 1,850	DFS 4.00	REPT NO. 6	DATE 12/22/2005	
RIG NAME & NO. MCVAY DRILLING 7		FOREMAN JIMMY LIGHT	AFE NO. 119314	AUTH MD 10,576	AUTH TVD 7,590	API NO. 30-015-34218-		
LAST CASING (in) @ (ft)		NEXT CASING 13.375 (in) @ 650.00 (ft)		DATE OF LAST SAFETY MEETING 12/21/2005		LAST BOP PRES TEST 12/20/2005		INCIDENT IDENTIFICATION
FIELD NAME QUAHADA RIDGE SOUTHEAST		LEAKOFF	MW 10.00	WI 100.00000	NRI			
LITHOLOGY ANHY.SALT		DAILY DRLG 23,804		DAILY COMP COST 0		DAILY TOTAL COST 23,804		
CURRENT STATUS DRLG,DEV SURVEYS		CUM DRLG 381,322		CUM COMP COST 0		CUM TOTAL WELL COST 381,322		
24 HR FORECAST DRLG,DEV SURVEYS		AFE DHC 1,298,000		AFE COMP COST 1,032,000		AFE TOTAL PROJ COST 2,330,000		

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	10:00	4.00	INTR1	DRLG	DRLG		DRLG 675'-965' 30 K WOB 75 RPMS
10:00	10:15	0.25	INTR1	DRLG	CIRC		DEV SURVEY .75 DEG @ 937'
10:15	15:45	5.50	INTR1	DRLG	DRLG		DRLG 965'-1276' 30 K WOB 75 RPMS
15:45	16:00	0.25	INTR1	DRLG	DEVSUR		DEV SURVEY 1 DEG. @ 1248'
16:00	22:15	6.25	INTR1	DRLG	DRLG		DRLG 1276'- 1582 30 K WOB 75 RPMS
22:15	22:30	0.25	INTR1	DRLG	DEVSUR		DEV SURVEY 1 DEG. @ 1554'
22:30	06:00	7.50	INTR1	DRLG	DRLG		DRLG 1582'-1850' 30 K WOB 75 RPMS

DENSITY(ppg)		10.00		PP		ECD		MUD DATA		DAILY COST		CUM COST		2,848	
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL	OIL/WAT		%Sand/MBT		Ph/pM	Pt/Mf	CI	Ca	H2S	LIME	ES
29	/	/	/	/	/		/		10.00/	/					

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
2 /	12.250	STC	F25YC	MX8667	16/16/16///	643.0	12/21/2005	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
2 / / 1	30 / 30	55 / 60		1,200		23.25	1,175.0	50.54	24.50	1,207.0	49.27

BHA / HOLE CONDITIONS

BHA NO.	2	BIT NO.	2	JAR HRS OF SERVICE		BHA HRS SINCE INSP			
BHA WT. BELOW JARS	STRING WT. UP		STRING WT. DN		STRING WT. ROT		TORQUE / UNITS	BHA LENGTH	
	127		122		125		ft-lbf	0.00	
ITEM DESCRIPTION				NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
920.00	0.75	0.00	0.00	0.00	0.00	0.00	1,554.00	1.00	0.00	0.00	0.00	0.00	0.00
1,248.00	1.00	0.00	0.00	0.00	0.00	0.00							

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	JAIMES WELDING	WEL HEAD	1	12.00
TESCO	TOP DRIVE	1	24.00	C & R TRANS	HAUL BRINE	4	12.00
SIERRA	CONSULTANT	1	24.00	SWACO	CHOKE PANEL	1	2.00

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	1,175	1,850	1,850	4.00	6	12/22/2005

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MONAHANS NU	NU BOP	4	24.00	CALLOWAY	HOOK UP H2S EQUIP	1	2.00

Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	13.0			48.00	H-40	ST&C	599.680	-3.00
INSERT	1.0				H-40			596.68
SHOE JOINT	1.0			48.00	H-40	ST&C	46.230	596.68
TX PATTERN SHOE	1.0			48.00	H-40		0.750	642.91

DAILY ONSHORE ORIG DRLG REPORT															Page 1									
APACHE 24 FED 10H															DATE: 12/22/2005									
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 6		SPUD DATE: 12/18/2005												
LOCATION: SEC. 24-22S-30E					LAT-LONG: 32.377 N - 103.827 W					FORMATION: INTM														
PROJECT: PS NEW MEXICO					KB ELEV: 3,409.00					LITHOLOGY: ANHY.SALT														
FIELD: QUAHADA RIDGE SOUTHEAST					WT: 100.00000					DEPTH: 1,850		DSS: 4.00		FOOTAGE: 1,175										
COUNTY: EDDY					APL: 30-015-34218					RIG NM / NO: MCWAY		17												
STATE: NM					AFE #: 119314					RIG PH #: 505 748-5211														
PROP. #: 416425-100					AFE DRLG COST: 1,298,000					AFE COMP COST: 1,032,000		AFE TOTAL COST: 2,330,000												
AUTH TVD: 7,590 (ft)					DAILY DRLG COST: 25,492					DAILY COMP COST: 0		DAILY TOTAL COST: 25,492												
AUTH TMD: 10,576 (ft)					CUM DRLG COST: 384,227					CUM COMP COST: 0		CUM TOTAL COST: 384,227												
BIT #	SERIAL #	TYPE	SIZE	ADC Code	FROM	TO	FEET	HRS	ROP	J-I-S	WOB	RPM	I	O	D	L	B	G	O	R				
2	MO2887	F25YC	12.250		843.0		1,207.0	24.50	48.27	18/18/16	30	80												
MUD PROPERTIES					MUD USED					HYDRAULICS														
Time: : Solids:					Mud Additive					Used					PUMP #1						PUMP #2		PUMP #3	
MAV: 10.00															Liner Size:									
VISC: 28															Length Strk:						9.000		9.000	
pH: 10.00															SPM:									
Chl: CA:															GPM:									
WL: Pm:															PSI:						1,200			
HTHP: PI:															AV (DP):						AV (DC):			
FC: Ex Lime:															PSI Drop:						HHPin*:			
PV: Elec Stab:															SLOW PUMP RATES									
YP: MBT:															PUMP #1						psi @		rpm	
LCM: LGS:															PUMP #2						psi @		rpm	
Daily Mud Lost to Hole:					bbls Daily / Cum Mud Cost:					\$ / 2,848														
Cum Mud Lost to Hole:					0.0 bbls Conn Gas:					Trip Gas:														
SURVEYS (Sidetrack: OH)															BHA #: 2									
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description						OD	Length								
303.00	0.75																							
943.00	0.50																							
820.00	0.75																							
1,248.00	1.00																							
1,554.00	1.00																							
															Total BHA Length: 0.00									
															String Wt Up: 80						Rotating String Wt: 80			
															String Wt Down: 80						BHA Hr Lost Inq: 80			
LAST CASING / BOP / NEXT CASING																								
Depth: 0 FIT: Size: WT: Grade: Connection: Next Casing: 13.375 @ 650.00																								
Last BOP Test Date: 12/20/2005 Accident: N Loss Control Inc: 24 Hr Forecast: DRLG, DEV SURVEYS																								
Activity Last 24 Hours															COSTS SUMMARY									
From	To	Hrs	Prob?	Activity Last 24 Hours											Code	Description	Costs							
08:00	10:00	4.00	NO	DRLG 875-985 30 K WOB 75 RPMS											206-043	DAY RATE	14,000.00							
10:00	10:15	0.25	NO	DEV SURVEY .75 DEG @ 937											206-044	SAT	55.00							
10:15	15:45	5.50	NO	DRLG 985-1276 30 K WOB 75 RPMS											206-103	SEPTIC AND WATER	110.00							
15:45	16:00	0.25	NO	DEV SURVEY 1 DEG. @ 1248											206-103	INTERCOMS	57.50							
16:00	22:15	6.25	NO	DRLG 1276- 1582 30 K WOB 75 RPMS											206-103	PVT/COM SAT	310.00							
22:15	22:30	0.25	NO	DEV SURVEY 1 DEG. @ 1554											206-103	TRASH TRAILOR	20.00							
22:30	08:00	7.50	NO	DRLG 1582-1850 30 K WOB 75 RPMS											206-103	FORLIFT	550.00							
															206-103	TOP DRIVE	2,700.00							
															206-103	HOUSING 2 UNITS	150.00							
															206-103	ROT HEAD, FLO LN VLVE	250.00							
															206-104	SHOCK SUB	280.00							
															206-203	DELMER 4.5 HWY WLT.	1,500.00							
															206-258	INSPECT CASING	789.00							
															206-268	ON LOCATION SUPER	1,100.00							
															206-302	FRESH WATER								
															206-302	BRINE	3,320.00							
															206-302	POTABLE								
															206-552	H2S + SET UP	300.00							
															206-895	SALES TAX								
															207-901	FLOAT EQUIP								
															207-901	13 3/8 H40 ST&C SURF								
FOREMAN: JIMMY LIGHT															Total Daily Cost: 25,492									
															Cumulative Cost to Date: 384,227									

DEVON

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Partner Report

ONSHORE ORIG DRLG

WELL NAME		APACHE 24 FED 10H		24 HRS PROG	795	TMD	2,645	TVD	2,645	DFS	5.00	REPT NO.	7	DATE	12/23/2005
RIG NAME & NO.		FOREMAN		AFE NO.		AUTH MD		AUTH TVD		API NO.		30-015-34218-			
MCVAY DRILLING 7		JIMMY LIGHT		119314		10,576		7,590							
LAST CASING		NEXT CASING		DATE OF LAST SAFETY MEETING				LAST BOP PRES TEST		INCIDENT IDENTIFICATION					
13.375 (in) @ 643.00 (ft)		9.625 (in) @ 3,855.00 (ft)		12/21/2005				12/20/2005							
FIELD NAME				LEAKOFF		MW		WI		NRI					
QUAHADA RIDGE SOUTHEAST				10.00		100.00000									
LITHOLOGY				DAILY DRLG		DAILY COMP COST				DAILY TOTAL COST					
ANHY.SALT				24,458		0				24,458					
CURRENT STATUS				CUM DRLG		CUM COMP COST				CUM TOTAL WELL COST					
DRLG.SURVEYS				405,780		0				405,780					
24 HR FORECAST				AFE DHC		AFE COMP COST				AFE TOTAL PROJ COST					
DRLG.SURVEYS-				1,298,000		1,032,000				2,330,000					

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	07:00	1.00	INTR1	DRLG	DRLG		DRLG 1850'-1885' 30 K WOB 75 RPMS
07:00	07:30	0.50	INTR1	DRLG	DEVSUR		DEV SURVEY 1 DEG @ 1857'
07:30	13:30	6.00	INTR1	DRLG	DRLG		DRLG 1885'-2187' 30 K WOB 75 RPMS
13:30	14:00	0.50	INTR1	DRLG	DEVSUR		DEV SURVEY .5 DEG @ 2160'
14:00	21:30	7.50	INTR1	DRLG	DRLG		DRLG 2187'-2470' 30 K WOB 75 RPMS
21:30	22:00	0.50	INTR1	DRLG	DEVSUR		DEV SURVEY .5 DEG @ 2442'
22:00	01:30	3.50	INTR1	DRLG	DRLG		DRLG 2470'- 2596'
01:30	02:00	0.50	INTR1	MISC	RIGSER		INSTALL ROT HEAD RUBBER
02:00	06:00	4.00	INTR1	DRLG	DRLG		DRLG 2596"- 2645' 30-50 K WOB 75 RPMS

DENSITY(ppg)		10.00		PP		ECD		MUD DATA		DAILY COST		554		CUM COST		3,402		
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL		OIL/WAT		%Sand/MBT		Ph/pM		P/Mf		CI	Ca	H2S	LIME	ES
29	/	/	/	/		/		/		10.00/		/						

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
2 /	12.250	STC	F25YC	MX8667	16/16/16///	643.0	12/21/2005	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
2 / / 1	30 / 50	55 / 60		1,200		22.00	795.0	36.14	46.50	2,002.0	43.05

BHA / HOLE CONDITIONS

BHA NO.	2	BIT NO.	2	JAR HRS OF SERVICE		BHA HRS SINCE INSP			
BHA WT. BELOW JARS	STRING WT. UP		STRING WT. DN		STRING WT. ROT		TORQUE / UNITS	BHA LENGTH	
	127		122		125		ft-lbf	0.00	
ITEM DESCRIPTION				NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
1,857.00	1.00	0.00	0.00	0.00	0.00	0.00	2,442.00	0.50	0.00	0.00	0.00	0.00	0.00
2,160.00	0.50	0.00	0.00	0.00	0.00	0.00							

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	795	2,645	2,645	5.00	7	12/23/2005

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	C & R TRANS	HAUL BRINE	4	12.00
TESCO	TOP DRIVE	1	24.00	SWACO	CHOKE PANEL	1	2.00
SIERRA	CONSULTANT	1	24.00	MONAHANS NU	NU BOP	4	24.00
JAIMES WELDING	WEL HEAD	1	12.00	CALLOWAY	HOOK UP H2S EQUIP	1	2.00

Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	13.0			48.00	H-40	ST&C	599.680	-3.00
INSERT	1.0				H-40			596.68
SHOE JOINT	1.0			48.00	H-40	ST&C	46.230	596.68
TX PATTERN SHOE	1.0			48.00	H-40		0.750	642.91

DAILY ONSHORE ORIG DRLG REPORT APACHE 24 FED 10H Page 1 of 1 DATE: 12/23/2005																				
DISTRICT: PERMAN BASIN LOCATION: SEC. 24-22S-30E PROJECT: PB NEW MEXICO FIELD: QUAHADA RIDGE SOUTHEAST COUNTY: EDDY STATE: NM PROP. #: 418425-100 AUTH TVD: 7,500 (0) AUTH TMD: 10,576 (0)					TIGHT GROUP: UNRESTRICTED LAT-LONG: 32.377 N - 103.827 W KB ELEV: 3,409.00 WT: 100.00000 APT: 30-015-34218					REPORT NO: 7 FORMATION: INTM LITHOLOGY: ANHY.SALT DEPTH: 2,645 DSS: RIG NM / NO: MCVAY RIG PH #: 505 748-5211										
AFE #: 199314 AFE DRLG COST: 1,298,000 DAILY DRLG COST: 24,458 CUM DRLG COST: 408,685					AFE COMP COST: 1,032,000 DAILY COMP COST: 0 CUM COMP COST: 0					AFE TOTAL COST: 2,330,000 DAILY TOTAL COST: 24,458 CUM TOTAL COST: 408,685										
BIT #	SERIAL #	TYPE	SIZE	IADC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R
2	602887	F25YC	12.250		643.0		2,002.0	48.50	41.05	1818718	50	80								

MUD PROPERTIES				MUD USED				HYDRAULICS			
Time:	:	Solids:		Mud Additive	Used			PUMP #1	PUMP #2	PUMP #3	
MAV:	10.00	Ort:		LINE	41			Liner Size:			
VISC:	29	10 sec Gel:		MF55	3			Length Str:	9.000	9.000	
grt:	10.00	10 min Gel:						SPM:			
Ch:		CA:						GPM:			
WL:		Pw:						PSI:	1,200		
HTHP:		PI:						AV (DP):		AV (DC):	
FC:		Ex Lime:						PSI Drop:		HHPen:	
PV:		Elec Stab:						SLOW PUMP RATES			
YP:		MBT:						PUMP #1	psi @		spm
LCM:		LGS:						PUMP #2	psi @		spm

Daily Mud Lost to Hole:				bbls Daily / Cum Mud Cost: \$554 / 3,402			
Cum Mud Lost to Hole:				0.0 bbls Conn Gas: Trip Gas:			
				Bigrd Gas:			

SURVEYS (Sidetrack: ON)								BHA #: 2			
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length
303.00	0.75										
643.00	0.50										
920.00	0.75										
1,348.00	1.00										
1,554.00	1.00										
1,857.00	1.00										
2,180.00	0.50										
2,442.00	0.50										

LAST CASING / BOP / NEXT CASING											
Depth: 643		FIT:		Size: 13.375		Wt: 48.00		Grade: H-40		Connection: ST&C	
Last BOP Test Date: 12/20/2005		Accident:		Loss Control Inc:		24 Hr Forecast: DRLG,SURVEYS-		Next Casing: 9.825 @ 3,855.00			

Activity Last 24 Hours				COSTS SUMMARY		
From	To	Hrs	Prob?	Code	Description	Costs
06:00	07:00	1.00	NO	DRLG 1850'-1885' 30 K WOB 75 RPMS	208-043 DAY RATE	14,000.00
07:00	07:30	0.50	NO	DEV SURVEY 1 DEG @ 1857'	206-044 SAT	55.00
07:30	13:30	6.00	NO	DRLG 1885'-2187' 30 K WOB 75 RPMS	206-103 SEPTIC AND WATER	110.00
13:30	14:00	0.50	NO	DEV SURVEY .5 DEG @ 2180'	206-103 INTERCOMS	57.50
14:00	21:30	7.50	NO	DRLG 2187'-2470' 30 K WOB 75 RPMS	206-103 PVT/COM SAT	310.00
21:30	22:00	0.50	NO	DEV SURVEY .5 DEG @ 2442'	206-103 TRASH TRAILOR	20.00
22:00	01:30	3.50	NO	DRLG 2470'- 2585'	206-103 FORKLIFT	550.00
01:30	02:00	0.50	NO	INSTALL ROT HEAD RUBBER	206-103 TOP DRIVE	2,700.00
02:00	06:00	4.00	NO	DRLG 2585'- 2645' 30-50 K WOB 75 RPMS	206-103 HOUSING 2 UNITS	150.00
					206-103 ROT HEAD,FLO LN VLVE	250.00
					206-104 SHOCK SUB	280.00
					206-203 DELIVER 4.5 HWY WT.	1,500.00
					206-258 INSPECT CASING	
					206-269 ON LOCATION SUPER	1,100.00
					206-302 FRESH WATER	
					206-302 BRINE	3,320.00
					206-302 POTABLE	
					206-552 H2S + SET UP	55.00
					206-895 SALES TAX	
					207-901 FLOAT EQUIP	
					207-901 13 3/8 H40 ST&C SURF	

FOREMAN: JIMMY LIGHT				Total Daily Cost: 24,458	
				Cumulative Cost to Date: 408,685	

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME APACHE 24 FED 10H		24 HRS PROG 501	TMD 3,146	TVD 3,146	DFS 6.00	REPT NO. 8	DATE 12/24/2005		
RIG NAME & NO. MCVAY DRILLING 7		FOREMAN JIMMY LIGHT	AFE NO. 119314	AUTH MD 10,576	AUTH TVD 7,590	API NO. 30-015-34218-			
LAST CASING 13.375 (in) @ 643.00 (ft)		NEXT CASING 9.625 (in) @ 3,855.00 (ft)		DATE OF LAST SAFETY MEETING 12/21/2005		LAST BOP PRES TEST 12/20/2005		INCIDENT IDENTIFICATION	
FIELD NAME QUAHADA RIDGE SOUTHEAST				LEAKOFF	MW 10.00	WI 100.00000	NRI		
LITHOLOGY ANHY.SALT				DAILY DRLG 39,794		DAILY COMP COST 0			DAILY TOTAL COST 39,794
CURRENT STATUS DRLG,SURVEYS				CUM DRLG 445,573		CUM COMP COST 0			CUM TOTAL WELL COST 445,573
24 HR FORECAST DRLG,SURVEYS				AFE DHC 1,298,000		AFE COMP COST 1,032,000			AFE TOTAL PROJ COST 2,330,000

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	13:30	7.50	INTR1	DRLG	DRLG		DRLG 2645'-2781' 50-55 K WOB 75 RPMS
13:30	14:00	0.50	INTR1	DRLG	DEVSUR		DEV SURVEY .5 DEG @ 2756'
14:00	02:45	12.75	INTR1	DRLG	DRLG		DRLG 2781'-3098' 55-60 K WOB 75 RPMS
02:45	03:15	0.50	INTR1	DRLG	DEVSUR		DEV SURVEY .25 DEG @ 3060'
03:15	06:00	2.75	INTR1	DRLG	DRLG		DRLG 3096'-3146' 60 K WOB 75 RPMS

DENSITY(ppg)		10.00		PP		ECD		MUD DATA		DAILY COST		CUM COST		3,402	
FV	PV/Y/P	GELS	WL/HTHP	FC/T.SOL	OIL/WAT	%Sand/MBT	Ph/pM	Pf/Mf	CI	Ca	H2S	LIME	ES		
29	/	/	/	/	/	/	10.00/	/							

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
2 /	12.250	STC	F25YC	MX8667	16/16/16///	643.0	12/21/2005	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
2 / / 1	30 / 60	55 / 60	396	1,200	416	23.00	501.0	21.78	69.50	2,503.0	36.01

BHA / HOLE CONDITIONS

BHA NO.	2	BIT NO.	2	JAR HRS OF SERVICE		BHA HRS SINCE INSP			
BHA WT. BELOW JARS	STRING WT. UP		STRING WT. DN		STRING WT. ROT		TORQUE / UNITS	BHA LENGTH	
	127		122		125		ft-lbf	0.00	
ITEM DESCRIPTION				NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
2,756.00	0.50	0.00	0.00	0.00	0.00	0.00							

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	ACE	SEPERATOR	6	60.00
TESCO	TOP DRIVE	1	24.00	C & R TRANS	HAUL BRINE	4	8.00
SIERRA	CONSULTANT	1	24.00				

Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66				Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)				13.0			48.00	H-40	ST&C	599.680	-3.00

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG			TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	501			3,146	3,146	6.00	8	12/24/2005
Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66								
	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
INSERT	1.0				H-40			596.68
SHOE JOINT	1.0			48.00	H-40	ST&C	46.230	596.68
TX PATTERN SHOE	1.0			48.00	H-40		0.750	642.91

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DAILY ONSHORE ORIG DRLG REPORT APACHE 24 FED 10H

DATE: 12/24/2005

devon

DISTRICT: PERMAN BASIN **TIGHT GROUP:** UNRESTRICTED **REPORT NO:** 8 **SPUD DATE:** 12/18/2005
LOCATION: SEC. 24-22S-30E **LAT-LONG:** 32.377 N - 103.827 W **FORMATION:** INTM
PROJECT: PB NEW MEXICO **KB ELEV:** 3,409.00 **LITHOLOGY:** ANHY.SALT
FIELD: GUAYADA RIDGE SOUTHEAST **WT:** 100.00000 **DEPTH:** 3,148 **DSS:** 6.00 **FOOTAGE:** 501
COUNTY: EDDY **APL:** 30-015-34218 **RIG NM / NO:** MCVAY **IT**
STATE: NM **AFE #:** 118314 **RIG PH #:** 505 748-5211
PROP. #: 416425-100 **AFE DRLG COST:** 1,285,000 **AFE COMP COST:** 1,032,000 **AFE TOTAL COST:** 2,330,000
AUTH TWD: 7,580 (R) **DAILY DRLG COST:** 39,794 **DAILY COMP COST:** 0 **DAILY TOTAL COST:** 39,794
AUTH TMD: 10,578 (R) **CUM DRLG COST:** 448,478 **CUM COMP COST:** 0 **CUM TOTAL COST:** 448,478

BIT #	SERIAL #	TYPE	SIZE	WADC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R
2	400887	F25C	12.250		643.0		2,803.0	69.50	38.01	16/18/18	80	80								

MUD PROPERTIES				MUD USED		HYDRAULICS		
Time:	:	Solids:		Mud Additive	Used	PUMP #1	PUMP #2	PUMP #3
NAV:	10.00	Oil:				Line Size:		
VISC:	29	10 sec Gel:				Length Str:	9.000	9.000
pH:	10.00	10 min Gel:				SPM:		
Chl:		CA:				GPM:		
WL:		Pm:				PSI:	1,200	
HTHP:		PL:				AV (DP):		AV (OC):
FC:		Ex Limer:				PSI Drop:	416	NHPfr:
PV:		Elec Stab:						0.816
YP:		MBT:				SLOW PUMP RATES		
LCM:		LGS:				PUMP #1	psi @	spm
						PUMP #2	psi @	spm

Daily Mud Lost to Hole: bbls Daily / Cum Mud Cost: \$ / 3,402
Cum Mud Lost to Hole: 0.0 bbls Conn Gas: Trip Gas: Signd Gas:

SURVEYS (Sidetrack: OH)								BHA #: 2			
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length
303.00	0.75										
643.00	0.50										
920.00	0.75										
1,248.00	1.00										
1,554.00	1.00										
1,857.00	1.00										
2,160.00	0.50										
2,442.00	0.50										
2,758.00	0.50										

Total BHA Length: 0.00
String Wt Up: 80 Rotating String Wt: 80
String Wt Down: 80 BHA Hr Last Insp:

LAST CASING / BOP / NEXT CASING

Depth: 643 FIT: Size: 13.375 Wt: 48.00 Grade: H-40 Connection: ST&C Next Casing: 9.825 @ 3,855.00
Last BOP Test Date: 12/20/2005 Accident: Loss Control Inc: 24 Hr Forecast: DRLG,SURVEYS

Activity Last 24 Hours					COSTS SUMMARY		
From	To	Hrs	Prob?	Activity	Code	Description	Costs
06:00	13:30	7.50	NO	DRLG 2645-2781 50-55 K WOB 75 RPMS	206-043	DAY RATE	14,000.00
13:30	14:00	0.50	NO	DEV SURVEY .5 DEG @ 2786'	206-044	SAT	55.00
14:00	02:45	12.75	NO	DRLG 2781-3098 55-60 K WOB 75 RPMS	206-103	SEPTIC AND WATER	110.00
02:45	03:15	0.50	NO	DEV SURVEY .25 DEG @ 3060'	206-103	INTERCOMS	57.50
03:15	06:00	2.75	NO	DRLG 3098-3148 60 K WOB 75 RPMS	206-103	PVT/COM SAT	310.00
					206-103	TRASH TRAILOR	20.00
					206-103	TOP DRIVE	2,700.00
					206-103	ROT HEAD FLO LN VLVE	250.00
					206-103	FORKLIFT	550.00
					206-103	HOUSING 2 UNITS	150.00
					206-104	SHOCK SUB	280.00
					206-203	DELIVER CASING	11,200.00
					206-203	DELIVER 4.5 HVY WT,	1,500.00
					206-203	UNLOAD CASING FORK	490.00
					206-259	INSPECT CASING	1,729.00
					206-269	ON LOCATION SUPER	1,100.00
					206-302	POTABLE	
					206-302	BRINE	1,892.00
					206-302	FRESH WATER	
					206-652	H2S + SET UP	55.00
					206-695	SALES TAX	3,285.00
					207-801	13 3/8 H40 ST&C SURF	
					207-801	FLOAT EQUIP	

Total Daily Cost: 39,794
Cumulative Cost to Date: 448,478

FOREMAN: JIMMY LIGHT

DAILY ONSHORE ORIG DRLG REPORT															Page 1 of 1					
APACHE 24 FED 10H															DATE: 12/25/2005					
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 9		SPUD DATE: 12/18/2005								
LOCATION: SEC. 24-22S-30E					LAT-LONG: 32.377 N - 103.627 W					FORMATION: INTM										
PROJECT: P8 NEW MEXICO					KB ELEV: 3,409.00					LITHOLOGY: ANHY.SALT										
FIELD: QUAHADA RIDGE SOUTHEAST					WT: 100.00000					DEPTH: 3,700 DBS:		7.00 FOOTAGE: 554								
COUNTY: EDOY					API: 30-015-34218					RIG NM / NO: MCVAY		IT								
STATE: NM					AFE # 118314					RIG PH #:		505 748-5211								
PROP. #: 418425-100					AFE DRLG COST: 1,298,000					AFE COMP COST: 1,032,000		AFE TOTAL COST: 2,330,000								
AUTH TVD: 7,590 (ft)					DAILY DRLG COST: 31,885					DAILY COMP COST: 0		DAILY TOTAL COST: 31,885								
AUTH TMD: 10,578 (ft)					CUM DRLG COST: 480,363					CUM COMP COST: 0		CUM TOTAL COST: 480,363								
BIT #	SERIAL #	TYPE	SIZE	ADC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R
2	MX0887	F25C	12.250		843.0		3,057.0	82.25	33.14	18/18/16	.80	60								
MUD PROPERTIES					MUD USED					HYDRAULICS										
Time: : Solids:					Mud Additive					PUMP #1 PUMP #2 PUMP #3										
NAV: 10.80 CIL:					BARITE SX 540					Liner Size:										
VISC: 41 10 sec Gel: 5					CLTD 120 180					Length Strk: 9.000 9.000										
pH: 11.00 10 min Gel: 6					BARITE BULK 154					SPM:										
Chl: CA:					ALZAN 80					GPM:										
WL: 10.40 Pw:					C202 70					PSI: 1,200										
HTHP: PI:					CAUSTIC 15					AV (DP): AV (DC):										
FC: Ex Lime:					Z312 5					PSI Drop: 418 18-PPM: 0.816										
PV: 10 Elec Stab:					DEFORM 4					SLOW PUMP RATES										
YP: 13 MBT:					MP55 3					PUMP #1 psi @ spm										
LCM: LGS:					POLY+ 3					PUMP #2 psi @ spm										
Daily Mud Lost to Hole:					bbls Daily / Cum Mud Cost: \$27,766 / 31,168					Bgnd Gas:										
Cum Mud Lost to Hole:					0.0 bbls Conn Gas:					Trip Gas:										
SURVEYS (Sidetrack: Off)										BHA # 2										
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length									
303.00	0.75																			
843.00	0.50																			
820.00	0.75																			
1,248.00	1.00																			
1,554.00	1.00																			
1,857.00	1.00																			
2,180.00	0.50																			
2,442.00	0.50																			
2,758.00	0.50																			
Total BHA Length:										0.00										
String Wt Up:										80										
String Wt Down:										80										
BHA Hr Last Insp:																				
LAST CASING / BOP / NEXT CASING																				
Depth: 843		FIT:		Size: 13.375		Wt: 48.00		Grade: H-40		Connection: ST&C		Next Casing: 8.825 @ 3,855.00								
Last BOP Test Date: 12/20/2005		Accident:		Loss Control Inc:		24 Hr Forecast: DRLG														
From	To	Hrs	Prob?	Activity Last 24 Hours					COSTS SUMMARY											
06:00	06:00	3.00	NO	DRLG 3146'-3230' 60 K WOB 75 RPMS H2S MONITOR GOING OFF @ 20 - 110 PPM @ FLO LINE					Code	Description	Costs									
				BREAKING OUT IN PIT DISCHARGE @ 20 40 PPM, DIVERT THROUGH SEPARATOR STILL BREAKING OUT @ 20 - 110 PPM @ FLO LINE DISCHARGE					206-043	DAY RATE	14,000.00									
				CHECK WATER FLOW 20 GAL MINUTE CHG OUT GASKETT @ ROT HEAD					206-044	SAT	55.00									
09:00	09:45	0.75	NO	DRLG 3230'-3535' 30 - 50 K WOB 75 RPMS WATER FLOW @ 20-22 GAL MIN, H2S 20-110 PPM @ FLO LINE					206-102	CORROSION CHEM	3,741.00									
				AND BREAKING OUT @ 20 40 PPM @ CENTRIFUGAL DISCHARGE @ STEEL PITS, SEPARATOR NOT VENTING OUT GAS, MUD UP STEEL PITS WHILE DRILLING TO DISPLACE HOLE WITH 10.5 MUD					206-103	SEPTIC AND WATER	110.00									
09:45	18:30	8.75	NO	DEV SURVEY 25 DEG @ 3507					206-103	INTERCOMS	57.50									
				DRLG 3535'-3700' 60 K WOB 75 RPMS BOTTOMS UP AFTER SURVEY H2S @ 125 PPM ON BOTTOMS UP					206-103	PVT/COM SAT	310.00									
				WIND BLOWING SLIGHTLY FROM PITS ACROSS RIG H2S @ 20 - 30 PPM IN YARD AND AROUND HOUSING					206-103	TRASH TRAILOR	20.00									
				DISPLACE HOLE WITH 10.5 MUD TO KILL FLOW PU CHECK FLOW WELL STILL FLOWING 10 GAL MIN					206-103	FORKLIFT	560.00									
18:30	19:00	0.50	NO	H2S CONSTANT @ SHAKER 80-125 PPM RAISE WT TO 10.8					206-103	TOP DRIVE	2,700.00									
19:00	06:00	11.00	NO	TO KILL FLOW PU CHECK FLOW NO H2S @ SHAKE @ 10.8 MUD WT					206-103	HOUSING 2 UNITS	150.00									
									206-103	ROT HEAD, FLO LN VLVE	250.00									
									206-104	SHOCK SUB	280.00									
									206-203	DELIVER 4.5 HWY WT,	1,500.00									
									206-259	INSPECT CASING	1,729.00									
									206-269	ON LOCATION SUPER	1,100.00									
									206-302	FRESH WATER										
									206-302	BRINE	1,992.00									
									206-302	POTABLE										
									206-552	H2S + SET UP	55.00									
									206-695	SALES TAX	3,285.00									
									207-801	FLOAT EQUIP										
									207-801	13 3/8 H40 ST&C SURF										
FOREMAN: JIMMY LIGHT								Total Daily Cost:				31,885								
								Cumulative Cost to Date:				480,363								

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WELL NAME		24 HRS PROG		TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H		158		3,858	3,858	8.00	10	12/26/2005
RIG NAME & NO.		FOREMAN		AFE NO.	AUTH MD	AUTH TVD	API NO.	
MCVAY DRILLING 7		JIMMY LIGHT		119314	10,576	7,590	30-015-34218-	
LAST CASING		NEXT CASING		DATE OF LAST SAFETY MEETING		LAST BOP PRES TEST		INCIDENT IDENTIFICATION
13.375 (in) @ 643.00 (ft)		9.625 (in) @ 3,855.00 (ft)		12/24/2005		12/20/2005		
FIELD NAME				LEAKOFF	MW	WI	NRI	
QUAHADA RIDGE SOUTHEAST					10.80	100.00000		
LITHOLOGY				DAILY DRLG	DAILY COMP COST		DAILY TOTAL COST	
ANHY.SALT				29,755	0		29,755	
CURRENT STATUS				CUM DRLG	CUM COMP COST		CUM TOTAL WELL COST	
CIRC				507,213	0		507,213	
24 HR FORECAST				AFE DHC	AFE COMP COST		AFE TOTAL PROJ COST	
CIRC TOH RU RUN CSG AND CEMENT. WOC NU TEST BOP				1,298,000	1,032,000		2,330,000	

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	05:45	23.75	INTR1	DRLG	DRLG		DRLG 3700'-3858' TD INTM HOLE 60 K WOB 75 RPMS MUD WT @ 10.8 NO FLOW OR H2S RAN FLID CALIPER @ 3779' FIGURED TO 3858' 2264 CUBIC FT. AVG HOLE @ 14 1/8 87% WASH OUT
05:45	06:00	0.25	INTR1	DRLG	CIRC		COND CIRC TO RUN 9 5/8 CASING

DENSITY(ppg)		10.80	PP		ECD	MUD DATA	DAILY COST			CUM COST		31,168	
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL	OIL/WAT	%Sand/MBT	Ph/pM	Pf/Mf	CI	Ca	H2S	LIME	ES
41	10/13	5/6	10.40/	/	/	/	11.00/	/					

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
2 /	12.250	STC	F25YC	MX8667	16/16/16///	643.0	12/21/2005	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
2 / / 1	30 / 60	55 / 60	396	1,200	416	23.75	158.0	6.65	116.00	3,215.0	27.72

BHA / HOLE CONDITIONS

[illegible]

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
3,507.00	0.25	0.00	0.00	0.00	0.00	0.00							

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	SIERRA	CONSULTANT	1	24.00
TESCO	TOP DRIVE	1	24.00				

Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	13.0			48.00	H-40	ST&C	599.680	-3.00
INSERT	1.0				H-40			596.68

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG			TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	158			3,858	3,858	8.00	10	12/26/2005
Last Casing Equip. (12/19/05): 12/19/2005 1.000@646.66								
	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
SHOE JOINT	1.0			48.00	H-40	ST&C	46.230	596.68
TX PATTERN SHOE	1.0			48.00	H-40		0.750	642.91

DAILY ONSHORE ORIG DRLG REPORT															Page 1 of 1														
APACHE 24 FED 10H															DATE: 12/26/2005														
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 10					SPUD DATE: 12/18/2005														
LOCATION: SEC. 24-22S-30E					LAT-LONG: 32.577 N - 103.827 W					FORMATION: INTM																			
PROJECT: PB NEW MEXICO					KB ELEV: 3,409.00					LITHOLOGY: ANHY SALT																			
FIELD: QUADADA RIDGE SOUTHEAST					WI: 100.00000					DEPTH: 3,858 DSS:					8.00 FOOTAGE: 158														
COUNTY: EDDY					API: 30-015-34218					RIG NM / NO: MCVAY					17														
STATE: NM					AFE #R: 128314					RIG PH #: 505 748-5211																			
PROP. #: 418426-100					AFE DRLG COST: 1,258,000					AFE COMP COST: 1,032,000					AFE TOTAL COST: 2,330,000														
AUTH TVD: 7,580 (0)					DAILY DRLG COST: 29,755					DAILY COMP COST: 0					DAILY TOTAL COST: 29,755														
AUTH TMD: 10,576 (0)					CUM DRLG COST: 510,118					CUM COMP COST: 0					CUM TOTAL COST: 510,118														
BIT #	SERIAL #	TYPE	SIZE	WOC Code	FROM	TO	FSET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	S	G	O	R									
2	MO8887	F25YC	12.250		643.0		3,215.0	118.00	27.72	18/18/18	60	60																	
MUD PROPERTIES										MUD USED										HYDRAULICS									
Time: : Solids:										Mud Additive										Used									
BW: 10.80																				PUMP #1 PUMP #2 PUMP #3									
VISC: 41																				Liner Size: 9.000 9.000									
pH: 11.00																				Lngth Strc: 9.000 9.000									
Ch: 10.40																				SPM: 1,200									
WHL: 10.40																				AV (DP): 415 AV (DC): 0.818									
HTHP: 10																				PSI Drop: 415 HHPin: 0.818									
FC: 10																				SLOW PUMP RATES									
PV: 10																				PUMP #1 psi @ spm									
YP: 13																				PUMP #2 psi @ spm									
LQ: 13																													
LQ: 13																													
Daily Mud Lost to Hole: 0.0 bbls Daily / Cum Mud Cost: \$ / 31,168										Cum Mud Lost to Hole: 0.0 bbls Cum Cost: Trip Gas: Sigrd Gas:																			
SURVEYS (Sidelack: ON)										SHA # 2																			
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length																		
303.00	0.75																												
643.00	0.50																												
920.00	0.75																												
1,248.00	1.00																												
1,584.00	1.00																												
1,867.00	1.00																												
2,180.00	0.50																												
2,442.00	0.50																												
2,758.00	0.50																												
3,507.00	0.25																												
										Total SHA Length: 0.00																			
										String Wt Up: 80 Rotating String Wt: 80																			
										String Wt Down: 80 SHA Hr Last Insp:																			
LAST CASING / BOP / NEXT CASING																													
Depth: 643 FIT: Size: 13.375 WT: 48.00 Grade: H-40 Connection: ST&C Next Casing: 8.625 @ 3,855.00																													
Last BOP Test Date: 12/20/2005 Accident: N Loss Control Inc: 24 Hr Forecast: CRC, TOH RU RUN CSG AND CEMENT, WOC, NU																													
Activity Last 24 Hours										COSTS SUMMARY																			
From	To	Hrs	Prob?											Code	Description	Costs													
06:00	06:45	23.75	NO	DRLG 3700'-3858' TD INTM HOLE 60 K WOB 75 RPMs										206-043	DAY RATE	14,000.00													
				MUD WT @ 10.8 NO FLOW OR H2S RAN FLID CALIPER @										206-044	SAT	55.00													
				3778' FIGURED TO 3858'										206-102	CORROSION CHEM	3,741.00													
				2284 CUBIC FT. AVG HOLE @ 14 1/8 87% WASH OUT										206-103	SEPTIC AND WATER	110.00													
				COND CRC TO RUN @ 58 CASING										206-103	INTERCOMS	57.50													
06:45	06:00	0.25	NO											206-103	PVT/COM SAT	310.00													
														206-103	TRASH TRAILOR	20.00													
														206-103	TOP DRIVE	2,700.00													
														206-103	HOUSING 2 UNITS	150.00													
														206-103	ROT HEAD FLO LN VLVE	250.00													
														206-103	FORKLIFT	550.00													
														206-104	SHOCK SUB	280.00													
														206-203	DELIVER 4.5 HWY WT.	1,900.00													
														206-251	FLUID CALIPER	1,165.27													
														206-259	INSPECT CASING	1,729.00													
														206-269	ON LOCATION SUPER	1,100.00													
														206-302	FRESH WATER														
														206-302	BRINE	1,982.00													
														206-302	POTABLE														
														206-552	H2S + SET UP	55.00													
														206-895	SALES TAX														
														207-801	FLOAT EQUIP														
														207-901	13 3/8 H40 ST&C SURF														
FOREMAN: JIMMY LIGHT										Total Daily Cost: 29,755 Cumulative Cost to Date: 510,118																			

devon															DAILY ONSHORE ORIG DRLG REPORT															Page 1 of 1														
APACHE 24 FED 10H															DATE: 12/27/2005																													
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 11					SPUD DATE: 12/18/2005																													
LOCATION: SEC. 24-22S-30E					LAT-LONG: 32.377 N - 103.827 W					FORMATION: INTM																																		
PROJECT: P9 NEW MEXICO					KB ELEV: 3,408.00					LITHOLOGY: ANHY SALT																																		
FIELD: QUAHADA RIDGE SOUTHEAST					W: 100.00000					DEPTH: 3,858 DSS: 9.00					FOOTAGE: 17																													
COUNTY: EDDY					APL: 30-015-34218					RIG NR / NO: MCWAY																																		
STATE: NM					AFE #: 118314					RIG PH #: 505 748-5211																																		
PROP. #: 416425-100					AFE DRLG COST: 1,298,000					AFE COMP COST: 1,032,000					AFE TOTAL COST: 2,330,000																													
AUTH TYD: 7,590 (8)					DAILY DRLG COST: 122,526					DAILY COMP COST: 0					DAILY TOTAL COST: 122,526																													
AUTH TMD: 10,576 (8)					CUM DRLG COST: 622,143					CUM COMP COST: 0					CUM TOTAL COST: 622,143																													
BIT #	SERIAL #	TYPE	SIZE	ADC Code	FROM	TO	FEET	HRS	ROP	J-15	WOB	RPM	I	O	D	L	B	G	O	R																								
2	MD0857	P2SYC	12.250		643.0	3,858.0	3,215.0	116.00	27.72	18/16/16	60	60																																
MUD PROPERTIES										MUD USED										HYDRAULICS																								
Time: Solids:										Blud Additive										Used																								
MW: 10.80 Oil:																				PUMP #1 PUMP #2 PUMP #3																								
VISC: 41 10 sec Gel: 5																				Liner Size: 9.000 9.000																								
pH: 11.00 10 min Gel: 6																				Length Str: 9.000 9.000																								
Ch: CA:																				SPM:																								
WL: 10.40 Pm:																				GPM:																								
HTHP: PI:																				PS: 1,200																								
FC: Ex Lime:																				AV (DP): 418 AV (DC): 0.818																								
PV: Elec Stab:																				PSI Drop: 418 HHPH: 0.818																								
YP: 13 MBT:																				SLOW PUMP RATES																								
LCM: LGS:																				PUMP #1 psi @ spm																								
																				PUMP #2 psi @ spm																								
Daily Mud Lost to Hole:										bbls Daily / Cum Mud Cost: \$ / 31,168																																		
Cum Mud Lost to Hole:										0.0 bbls Conn Gas: Trip Gas:										Bgnd Gas:																								
SURVEYS (Sidetrack: ON)										BHA #: 2																																		
MD	Angle	TYD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length																																	
303.00	0.75																																											
643.00	0.50																																											
920.00	0.75																																											
1,246.00	1.00																																											
1,554.00	1.00																																											
1,857.00	1.00																																											
2,160.00	0.50																																											
2,462.00	0.50																																											
2,758.00	0.50																																											
3,057.00	0.25																																											
3,858.00	0.75																																											
LAST CASING / BOP / NEXT CASING										Total BHA Length: 0.00																																		
Depth: 643 FIT: Size: 13.375 Wt: 48.00 Grade: H-40 Connection: ST&C Next Casing: 9.825 @ 3,855.00										String Wt Up: 80 Rotating String Wt: 80																																		
Last BOP Test Date: 12/20/2005 Accident: Loss Control Inc: 24 Hr Forecast: TST BOP THL DRLG DV TL @ 2698 TH DRLG										String Wt Down: 80 BHA Hr Last Insp:																																		
Activity Last 24 Hours										COSTS SUMMARY																																		
From	To	Hrs	Prob?	Code Description Costs																																								
06:00	07:30	1.50	NO	CIRC TO RUN 9 5/8 CASING (CONTACTED DUNCAN WITH BLM INTENT TO RUN AND CEMENT 9 5/8 CASING)										206-043 DAY RATE 14,000.00																														
07:30	09:30	2.00	NO	TOTCO, TRIP OUT WITH DRILL PIPE										206-044 SAT 55.00																														
09:30	12:00	2.50	NO	RU LD MACHINE LD 12.25 BHA										206-102 CORROSION CHEM 602.00																														
12:00	13:30	1.50	NO	XD BAILS, RU CASING CREW, PRE JOB SAFETY MEETING H2S AWARENESS AND SAFETY.										206-103 ROT HEAD, FLO LN VLVE 250.00																														
13:30	16:00	2.50	NO	RUN 88 JTS 9 5/8 J55 LT&C CASING 3882' SET @ 3858' F COLLAR @ 3814' EC PACKER @ (TOP) 2741' DV TOOL @ 2700.88' CENTRALIZE MID 1ST JOINT AND EVERY 4TH JOINT TO SURFACE										206-103 TOP DRIVE 2,700.00																														
16:00	17:30	1.50	NO	CIRC BOTTOMS UP RIG DOWN CASERS/ PRE JOB SAFETY MEETING BJ, MCWAY, SIERRA DEVON CEMENT PROCEDURES, H2S SAFETY AND AWARENESS										206-103 TRASH TRAILOR 20.00																														
17:30	19:00	1.50	NO	RU BJ CEMENT 1ST STAGE W/ 650 SX 80:40 POZ C & 5% SALT & 25% SX CELLOFLAKE & .4% SMS & 4.0% MP-1 MIXED @ 13.8 YIELD @ 1.37 WATER @ 6.38 GAL SX PLUG DOWN @ 19:00 PM										206-103 INTERCOMS 57.50																														
19:00	00:00	5.00	NO	ENERGIZE PACKER, OPEN DV TOOL & CIRC / CIRC 200 SX TO RESERVE										206-103 FORKLIFT 550.00																														
00:00	01:45	1.75	NO	CEMENT 2ND STAGE W/ 900 SX 35:65.1 POZ C W/ 5% SALT & 25% SX CELLOFLAKE MIXED @ 12.4 YIELD @ 2.04 WATER @ 11.24 GAL SX TAIL W/ 100 SX C & 2% CCHL MIXED @ 14.5 YIELD @ 1.33 WATER @ 6.34 GAL SX PLUG DOWN @ 01:45 AM CIRC 150 SX TO RESV.										206-103 HOUSING 2 UNITS 150.00																														
01:45	03:15	1.50	NO	RIG DOWN BJ RIG UP LIFTS NO BOP & SET SLIPS										206-103 SEPTIC AND WATER 110.00																														
03:15	06:00	2.75	NO	CUT OFF CASING, LD 13 5/8 BOP & ANNULAR										206-103 PVT/COM SAT 310.00																														
										206-104 4.5 HWY WT/16.6 G 4,900.00																																		
										206-203 CEMENT CASING 32,329.00																																		
										206-251 FLT EQU, ECP, DV TOOL 19,821.00																																		
										206-259 LD MACHINE 1,570.00																																		
										206-259 TONGS/CREW 2,225.00																																		
										206-259 INSPECT CASING 1,728.00																																		
										206-268 ON LOCATION SUPER 1,100.00																																		
										206-302 POTABLE																																		
										206-302 FRESH WATER 640.00																																		
										206-302 BRINE																																		
										206-305 7000 GAL DIESEL 14,315.00																																		
										206-652 H2S + SET UP/TRAILOR 850.00																																		
										206-895 SALES TAX 9,608.00																																		
										207-601 9 5/8 40# J55 LT&C																																		
										207-631 COMPLETE 13,687.00																																		
										207-631 SET SLIPS/SERVICE 1,246.00																																		
FOREMAN: JIMMY LIGHT										Total Daily Cost: 122,526																																		
										Cumulative Cost to Date: 622,143																																		

DAILY ONSHORE ORIG DRLG REPORT															Page 1 of 1						
APACHE 24 FED 10H															DATE: 12/28/2005						
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 12		SPUD DATE: 12/16/2005									
LOCATION: SEC. 24-22S-30E					LAT-LONG: 32.377 N - 103.827 W					FORMATION: DELAWARE											
PROJECT: P8 NEW MEXICO					KB ELEV: 3,409.00					LITHOLOGY: ANHY/LIME SAND											
FIELD: QUAHADA RIDGE SOUTHEAST					WT: 100.00000					DEPTH: 3,880 DSS: 10.00		FOOTAGE: 22									
COUNTY: EDDY					API: 30-015-34218					RIG NM / NO: NOCWAY		17									
STATE: NM					RIG PH #: 505 748-5211																
PROP. #: 416425-100					AFE # 118314																
AUTH TYD: 7,580 (R)					AFE DRLG COST: 1,288,000					AFE COMP COST: 1,032,000		AFE TOTAL COST: 2,320,000									
AUTH TRD: 10,576 (R)					DAILY DRLG COST: 154,207					DAILY COMP COST: 0		DAILY TOTAL COST: 154,207									
					CUM DRLG COST: 776,350					CUM COMP COST: 0		CUM TOTAL COST: 776,350									
BIT #	SERIAL #	TYPE	SIZE	IADC Code	FROM	TO	FEET	HRS	ROP	J1-6	WOB	RPM	I	O	D	L	B	G	O	R	
3	JW1785	MERC2000V	6.750	POC	3,858.0			22.0	0.75	28.33	11/11/11/11/11	122									
MUD PROPERTIES					MUD USED					HYDRAULICS											
Time: Solids:					Mud Additive					Used											
MW: 8.40 Oil:					LIME					31											
VISC: 29 10 sec Gel:					POLY SEAL					15											
pH: 10.00 10 min Gel:					CAUSTIC					3											
Chl: CA:					ALZAN					2											
WL: Pac:					DEFOAM					2											
HTHP: Pt:																					
FC: Ex Limer:																					
PV: Elec Stab:																					
YP: MBT:																					
LCM: LGS:																					
Daily Mud Lost to Hole:					bbls Daily / Cum Mud Cost:					\$1,780 / 32,948											
Cum Mud Lost to Hole:					0.0 bbls Conn Gas:					Trip Gas:											
					Bkgd Gas:																
SURVEYS (Sidetrack: Off)										BHA #: 3											
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length										
303.00	0.75							1	POLYCRYSTALLINE DIAMOND BIT	8.750	1.00										
843.00	0.50							1	1.25 DEG. PDM	6.500	23.10										
820.00	0.75							1	NON-MAG PONY COLLAR	8.750	10.50										
1,248.00	1.00							1	DRILL COLLAR	6.625	32.18										
1,554.00	1.00							1	CROSS OVER	6.312	2.41										
1,857.00	1.00							1	NON-MAG DRILL COLLAR	6.082	30.13										
2,160.00	0.50							45	HEAVY WEIGHT DRILL PIPE	4.500	1,379.07										
2,442.00	0.50							1	DRILLING JAR	6.250	30.19										
2,756.00	0.50							15	HEAVY WEIGHT DRILL PIPE	4.500	455.02										
3,507.00	0.25																				
3,858.00	0.75																				
										Total BHA Length:		1,963.60									
String Wt Up:										125,000	Rotating String Wt:	124,000									
String Wt Down:										122,000	BHA Hr Last Insp:										
LAST CASING / BOP / NEXT CASING																					
Depth: 3,858 FIT: Size: 8.625 Wt: 40.00 Grade: J55 Connection: L7&C Next Casing: 7,000 @ 6,015.00																					
Last BOP Test Date: 12/27/2005 Accident: N Loss Control Inc: 24 Hr Forecast: DRLG,SURVEYS																					
Activity Last 24 Hours										COSTS SUMMARY											
From	To	Hrs	Prob?	Activity Last 24 Hours										Code	Description	Costs					
08:00	09:00	3.00	NO	INSTALL AND TEST 11" WELL HEAD @ 800 PSI										206-043	DAY RATE	14,000.00					
09:00	14:00	5.00	NO	NEEPLE UP BOP ANNULAR & CHOKE MANIFOLD										206-044	SAT	55.00					
14:00	18:00	4.00	NO	TEST BUNDS-OUTSIDE CHOKE ,OUTSIDE KILL VALVES										206-045	TOOLS/SERVICE	12,288.00					
				250-3000# 10 MIN. BLIND - OUTSIDE 3" MANIFOLD INSIDE										206-102	CORROSION CHEM						
				KILL VALVES 250-3000 # 10 MIN. TEST PIPE RAMS-HCR										206-103	REMOTE CHOKE	440.00					
				VALVE & 2" KILL LINE CHECK VALVE 250-3000# 10 MIN. PIPE										206-103	PVT/COM SAT	310.00					
				RAMS-INSIDE 3" BOP VALVE 250-3000# 10 MIN. TEST										206-103	FORKLIFT	550.00					
				ANNULAR-INSIDE KILL LINE & INSIDE 3" 250-1800# 10 MIN										206-103	TOP DRIVE	2,700.00					
				TEST UPPER KELLY VALVE, LOWER KELLY VALVE, FULL										206-103	TRASH TRAILOR	20.00					
				OPENING FLOOR VALVE										206-103	HOUSING 2 UNITS	150.00					
				& DART VALVE & STAND PIPE VALVE 250-3000 PSI 10 MIN.										206-103	INTERCOMS	57.50					
				ACCUMULATOR FUNCTION TEST OK										206-103	ROT HEAD,FLO LN VALVE	250.00					
18:00	20:00	2.00	NO	PU 8.3/4 BHA AND ORIENT MWD AND TOOLS										206-103	SEPTIC AND WATER	110.00					
20:00	01:45	5.75	NO	TTH TO TOP OF DV TOOL @ 2688' BREAK CIRC, WOC										206-104	4.5 HMY W/T/30 16.8 G	980.00					
01:45	02:45	1.00	NO	DRLG TOP PLUG AND DV TOOL @ 2688'										206-201	NEEPLE UP CREW	4,820.00					
02:45	03:00	0.25	NO	TTH TO TOP OF FLOAT COLLAR @ 3815' BREAK CIRC										206-201	MUD LOGGER	600.00					
03:00	04:00	1.00	NO	DRLG PLUG, FLOAT COLLAR @ 3815' AND CEMENT TO 3845'										206-201	TEST BOP	1,515.00					
04:00	04:30	0.50	NO	TEST CASING @ 1000 # 30 MIN TEST OK										206-201	SET OUT BOP/TRUCK	1,314.00					
04:30	05:15	0.75	NO	DRLG CEMENT 3845'-3858' AND FLOAT SHOE TO 3858'										206-203	DEL DIRECTION TOOLS						
05:15	06:00	0.75	NO	DRLG 8 3/4 FORMATION 3858'- 3888' OH MOTOR MXP LS @ 1.8 - .21 REV/GAL 30 40 K WOB 122 RPMs										206-259	INSPECT CASING						
														206-289	ON LOCATION SUPER	1,100.00					
														206-302	POTABLE						
														206-302	BRINE						
														206-302	FRESH WATER	640.00					
														206-652	H2S + SET UP/TRAILOR	55.00					
														206-695	SALES TAX	12,732.00					
														207-801	9 5/8 40# J55 L7&C	99,720.40					
										Total Daily Cost: 154,207											
										Cumulative Cost to Date: 776,350											
FOREMAN: JIMMY LIGHT																					

S C I E N T I F I C D R I L L I N G C O N T R O L S

KEEPER GYRO SURVEY

Directional Survey Report

for

DEVON

Well Number	:	APACHE 24 FED #10-H
Well Location	:	EDDY COUNTY, NEW MEXICO
Job Number	:	32K1205948
Location Latitude	:	32.377
Survey Date	:	28-DEC-2005
S.D.C. Personnel	:	ROBERT GONZALES
Length Units	:	Feet
North Reference	:	TRUE North
Grid Correction	:	0.00 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	287.66
Calculation Method	:	Minimum Curvature

Remarks : The INRUN Survey will be called definitive

SCIENTIFIC DRILLING CONTROLS

Inrun Survey
for
DEVON

Page 1

Well No.: APACHE 24 FED #10-H

Date : 28-DEC-2005

Job No. : 32K1205948

Proposal : 287.66

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	TRUE Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	0.07	0.36	5.69	0.31	0.03	0.36
200.00	200.00	0.14	0.23	14.93	0.82	0.11	0.14
300.00	300.00	0.19	0.31	9.09	1.28	0.21	0.08
400.00	399.99	0.59	0.51	323.87	1.91	-0.01	0.37
500.00	499.99	1.44	0.62	313.46	2.64	-0.67	0.15
600.00	599.98	2.36	0.58	317.21	3.38	-1.40	0.06
700.00	699.98	3.19	0.53	319.86	4.11	-2.04	0.06
800.00	799.97	4.02	0.61	323.24	4.89	-2.66	0.09
900.00	899.97	4.95	0.69	321.80	5.79	-3.35	0.08
1000.00	999.96	5.93	0.64	317.32	6.67	-4.10	0.07
1100.00	1099.95	6.76	0.51	327.61	7.46	-4.72	0.17
1200.00	1199.95	7.46	0.60	334.47	8.30	-5.18	0.11
1300.00	1299.95	8.13	0.46	327.15	9.12	-5.63	0.16
1400.00	1399.94	8.81	0.55	327.46	9.86	-6.10	0.09
1500.00	1499.94	9.57	0.60	329.09	10.71	-6.63	0.05
1600.00	1599.93	10.23	0.42	330.63	11.48	-7.08	0.18
1700.00	1699.93	10.73	0.41	337.30	12.13	-7.40	0.05
1800.00	1799.93	11.20	0.43	338.29	12.81	-7.67	0.02
1900.00	1899.92	11.76	0.47	326.28	13.50	-8.04	0.10
2000.00	1999.92	12.20	0.31	351.42	14.11	-8.31	0.23
2100.00	2099.92	12.42	0.38	359.35	14.71	-8.35	0.08
2200.00	2199.92	12.62	0.33	357.94	15.32	-8.37	0.05
2300.00	2299.92	12.80	0.23	353.77	15.81	-8.40	0.10
2400.00	2399.92	13.00	0.36	355.70	16.32	-8.45	0.13
2500.00	2499.91	13.17	0.29	5.73	16.89	-8.44	0.09
2600.00	2599.91	13.27	0.33	7.72	17.43	-8.38	0.04
2700.00	2699.91	13.50	0.35	340.97	18.00	-8.44	0.16
2800.00	2799.91	14.02	0.38	287.41	18.39	-8.86	0.33
2900.00	2899.91	14.63	0.34	305.56	18.66	-9.41	0.12
3000.00	2999.91	15.24	0.38	297.48	18.99	-9.95	0.06
3100.00	3099.90	15.79	0.25	291.79	19.22	-10.45	0.13
3200.00	3199.90	16.08	0.09	285.73	19.32	-10.72	0.16
3300.00	3299.90	16.20	0.19	212.26	19.20	-10.89	0.19
3400.00	3399.90	15.97	0.36	137.85	18.83	-10.77	0.36
3500.00	3499.90	15.24	0.55	122.89	18.34	-10.15	0.22
3600.00	3599.89	14.26	0.60	117.27	17.84	-9.28	0.08
3700.00	3699.89	13.19	0.65	121.85	17.30	-8.34	0.07
3800.00	3799.88	12.02	0.72	114.63	16.74	-7.28	0.11
3900.00	3899.87	10.89	0.58	100.53	16.38	-6.21	0.21

SCIENTIFIC DRILLING CONTROLS

Inrun Survey
for
DEVON

Page 2

Well No.: APACHE 24 FED #10-H

Date : 28-DEC-2005

Job No. : 32K1205948

TRUE

Proposal : 287.66

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
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4000.00	3999.87	9.82	0.66	113.26	16.06	-5.19	0.16
4100.00	4099.86	8.79	0.53	118.97	15.61	-4.25	0.14
4165.00	4164.86	8.12	0.66	98.56	15.41	-3.62	0.38

The Horizontal Displacement (in Feet) at
Measured Depth 4165.00 is 15.83 in a Direction of 346.77 Degrees

Page 1 of 1

DAILY ONSHORE ORIG DRLG REPORT

APACHE 24 FED 10H

DATE: 12/29/2005

DISTRICT: PERMAN BASIN

LOCATION: SEC. 24-22S-30E

PROJECT: PG NEW MEXICO

FIELD: QUAHADA RIDGE SOUTHEAST

COUNTY: EDDY

STATE: NM

PROP. #: 416425-100

AUTH TWD: 7,590 (9)

AUTH TMD: 10,576 (9)

TIGHT GROUP: UNRESTRICTED

LAT-LONG: 32.377 N - 103.827 W

KB ELEV: 3,408.00

WE: 100.00000

APL: 30-015-34218

AFE #: 118314

AFE DRLG COST: 1,298,000

DAILY DRLG COST: 38,284

CUM DRLG COST: 814,634

REPORT NO: 13

FORMATION: DELAWARE

LITHOLOGY: LIME SAND

DEPTH: 5,460 DSE: 11.00 FOOTAGE: 1,580

RIG NM / NO: MCWAY

RIG PH #: 505 748-6211

AFE COMP COST: 1,032,000

DAILY COMP COST: 0

CUM COMP COST: 0

AFE TOTAL COST: 2,330,000

DAILY TOTAL COST: 38,284

CUM TOTAL COST: 814,634

BIT #	SERIAL #	TYPE	SIZE	ADC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R
3	JW1765	MER20500V	8.750	POC	3,858.0		1,802.0	20.50	78.15	11/11/11/11/11	15	122								

MUD PROPERTIES

Time: : Solids: 8.40

MMV: 29 Oil: 10 sec Gel: 10.00

pH: 10.00

Chl: CA: 10 min Gel:

WL: Pm:

HTHP: Pt:

FC: Ex Lime:

PV: Elec Stab:

YP: MBT:

LCM: LGS:

MUD USED

Mud Additive	Used

HYDRAULICS

PUMP #1	PUMP #2	PUMP #3
Line Size:	9.000	9.000
Length Strk:		
SPM:		
GPM:		
PSI:	1,200	
AV (DP):		AV (DC):
PSI Drop:	342	NHPA*: 1,226

SLOW PUMP RATES

PUMP #1	psi @	spm
PUMP #2	psi @	spm

Daily Mud Lost to Hole: bbls Daily / Cum Mud Cost: \$ / 32,948

Cum Mud Lost to Hole: 0.0 bbls Cum Gas: Trip Gas: Stgrd Gas:

SURVEYS (Sidetrack: OH)

MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L
2,442.00	0.50						
2,756.00	0.50						
3,507.00	0.25						
3,858.00	0.75						
4,100.00	0.53	4,089.38	118.97		15.61	-4.25	
4,185.00	0.66	4,194.38	98.56	8.12	15.41	-3.62	0.36
4,222.00	0.60	4,221.35	108.93	7.50	15.26	-3.01	0.23
4,346.00	0.50	4,345.35	108.60	6.31	14.88	-1.86	0.08
4,471.00	0.20	4,470.35	350.10	5.86	14.92	-1.40	0.50
4,596.00	0.30	4,595.34	345.20	6.14	15.45	-1.52	0.08
4,722.00	0.40	4,721.34	332.50	6.63	16.16	-1.81	0.10
4,846.00	0.40	4,847.34	301.20	7.37	16.78	-2.39	0.17
4,972.00	0.40	4,971.34	304.00	8.20	17.25	-3.12	0.02
5,097.00	0.50	5,096.33	310.40	9.13	17.84	-3.90	0.09
5,223.00	0.50	5,222.33	303.70	10.16	18.50	-4.77	0.05
5,347.00	0.60	5,346.32	308.03	11.29	19.20	-5.74	0.09

BHA # 3

Qty	Description	OO	Length
1	POLYCRYSTALLINE DIAMOND BIT	8.750	1.00
1	1.25 DEG. POM	6.500	23.10
1	NON-MAG PONY COLLAR	6.750	10.50
1	DRILL COLLAR	6.625	32.18
1	CROSS OVER	6.312	2.41
1	NON-MAG DRILL COLLAR	6.062	30.13
45	HEAVY WEIGHT DRILL PIPE	4.500	1,379.07
1	DRILLING JAR	6.250	30.19
15	HEAVY WEIGHT DRILL PIPE	4.500	455.02

String Wt Up: 125,000 Total BHA Length: 1,963.00

String Wt Down: 122,000 Rotating String Wt: 124,000

BHA Hr Last Insp:

LAST CASING / BOP / NEXT CASING

Depth: 3,858 FIT: Size: 9.825 WL: 40.00 Grade: J55 Connection: LT&C Next Casing: 7,000 @ 8,015.00

Last BOP Test Date: 12/27/2005 Accident: N Loss Control Inc: 24 Hr Forecast: DRLG, SURVEYS

Activity Last 24 Hours

From	To	Hrs	Prob?	Activity
08:00	12:30	6.50	NO	DRLG 3880'-4272' 15 K WOB 122 RPMs DH MTR MDP LS 1.8 @ 21 REV/GAL
12:30	14:30	2.00	NO	CIRC RUN GYRO @ 4272'
14:30	15:45	1.25	NO	DRLG - ROT 4272' - 4398' 15 K WOB 122 RPMs .21 REV/GAL DH MTR
15:45	16:00	0.25	NO	CIRC SURVEY @ 4348' .5 DEG @ 108.8 AZ
16:00	17:30	1.50	NO	DRLG - SLIDE 4398' - 4402' ROT - 4402'-4521' 12 K WOB 122 RPMs
17:30	17:45	0.25	NO	CIRC SURVEY @ 4471' .2 DEG @ 350.10 AZ
17:45	19:00	1.25	NO	DRLG 4521'-4648' 12 K WOB 122 RPMs
19:00	19:15	0.25	NO	CIRC SURVEY @ 4598' .3 DEG @ 345.2 AZ
19:15	20:30	1.25	NO	DRLG 4645'-4772' 12 K WOB 122 RPMs
20:30	20:45	0.25	NO	CIRC SURVEY @ 4722' .4 DEG @ 332.5 AZ
20:45	22:30	1.75	NO	DRLG 4772'-4898' 12 K WOB 122 RPMs
22:30	22:45	0.25	NO	CIRC SURVEY @ 4848' .4 DEG @ 301.2 AZ
22:45	00:00	1.25	NO	DRLG 4848'-5022'
00:00	00:15	0.25	NO	CIRC SURVEY @ 4972' .4 DEG @ 304 AZ
00:15	01:30	1.25	NO	DRLG 5022'-5147' 12 K WOB 122 RPMs
01:30	01:45	0.25	NO	CIRC SURVEY @ 5097' .5 DEG @ 310.4 AZ
01:45	03:00	1.25	NO	DRLG 5147'-5273' 12 K WOB 122 RPMs
03:00	03:15	0.25	NO	CIRC SURVEY @ 5223' .5 DEG @ 303.7 AZ
03:15	04:45	1.50	NO	DRLG 5273'-5397' 12 K WOB 122 RPMs
04:45	05:00	0.25	NO	CIRC SURVEY @ 5347' .6 DEG @ 308.3 AZ
05:00	06:00	1.00	NO	DRLG 5397'-5467' 12 K WOB 122 RPMs

COSTS SUMMARY

Code	Description	Costs
206-043	DAY RATE	14,000.00
206-044	SAT	95.00
206-045	TOOLS/SERVICE	8,415.00
206-102	CORROSION CHEM	
206-103	TOP DRIVE	2,700.00
206-103	TRASH TRAILOR	20.00
206-103	FORKLIFT	110.00
206-103	PVT/COM SAT	310.00
206-103	INTERCOMMS	57.50
206-103	HOUSING 2 UNITS	150.00
206-103	ROT HEAD FLOW LN VLVE	250.00
206-103	SEPTIC AND WATER	110.00
206-103	REMOTE CHOKE	110.00
206-104	4.5 Hvy WT30 16.5 G	980.00
206-201	MUD LOGGER	600.00
206-203	DEL DIRECTION TOOLS	
206-253	GYRO	8,821.00
206-259	INSPECT CASING	
206-269	ON LOCATION SUPER	1,100.00
206-302	FRESH WATER	640.00
206-302	BRINE	
206-302	POTABLE	
206-552	H2S - SET UP TRAILOR	55.00
206-895	SALES TAX	

Total Daily Cost: 38,284

Cumulative Cost to Date: 814,634

FOREMAN: JIMMY LIGHT

DAILY ONSHORE ORIG DRLG REPORT															Page 1 of 1					
APACHE 24 FED 10H															DATE: 1/1/2006					
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 16		SPUD DATE: 12/18/2005								
LOCATION: SEC. 24-225-30E					LAT-LONG: 32.377 N - 103.827 W					FORMATION: DELAWARE										
PROJECT: P8 NEW MEXICO					KB ELEV: 3,409.00					LITHOLOGY: LIME SAND										
FIELD: QUAHADA RIDGE SOUTHEAST					WK: 100.00000					DEPTH: 7,750 DBS: 14.00		FOOTAGE: 262								
COUNTY: EDDY					API: 30-015-3-02-18					RIG NR / NO: MCVAY		17								
STATE: NM					AFE #: 189314					RIG PH #: 505 748-6211										
PROP. #: 416425-100					AFE DRLG COST: 1,296,000					AFE COMP COST: 1,032,000		AFE TOTAL COST: 2,330,000								
AUTH TVD: 7,590 (R)					DAILY DRLG COST: 46,843					DAILY COMP COST: 0		DAILY TOTAL COST: 46,843								
AUTH TMD: 10,576 (R)					CUM DRLG COST: 939,835					CUM COMP COST: 0		CUM TOTAL COST: 939,835								
BIT #	SERIAL #	TYPE	SIZE	DOC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R
4	PC7676	XR40Y00P	8.750		7,488.0	8,018.0	282.0	16.25	17.18	13/13/13	35	122								
3	JW1785	MER20500V	8.750	POC	3,858.0	7,488.0	3,630.0	69.50	92.99	11/11/11/11/11	15	122								
MUD PROPERTIES					MUD USED					HYDRAULICS										
Time: Solids:					Blind Additive					Used										
MW: 8.40 Oil:																				
VISC: 29 10 sec Gel:																				
pH: 10.00 10 min Gel:																				
Cat: CA:																				
VIL: Pmc																				
HTHP: Pt																				
FC: Ex Limer:																				
PV: Elec Stab:																				
YP: MBT:																				
LCM: LGS:																				
Daily Mud Lost to Hole: bbls Daily / Cum Mud Cost: \$1,790 / 34,738					Trip Gas: Signd Gas:															
Cum Mud Lost to Hole: 0.0 bbls Corn Gas:																				
SURVEYS (Subtract: ON)										BHA #: 4										
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	Qty	Description	OD	Length									
6,972.00	28.30	6,925.28	288.90	293.35	111.93	-272.22	2.93	1	POLYCRYSTALLINE DIAMOND BIT	8.750	1.00									
7,034.00	30.00	6,979.43	287.50	323.54	121.35	-300.91	2.95	1	1.25 DEG. POM	6.500	23.10									
7,086.00	30.90	7,034.60	287.50	355.98	131.11	-331.84	1.41	1	NON-MAG PONY COLLAR	6.750	10.50									
7,160.00	30.70	7,087.85	286.50	387.72	140.39	-362.20	0.89	1	DRILL COLLAR	6.825	32.18									
7,223.00	29.40	7,142.39	286.50	419.26	149.35	-382.45	2.06	1	CROSS OVER	6.312	2.41									
7,284.00	29.10	7,195.61	286.10	449.06	157.72	-421.05	0.58	1	NON-MAG DRILL COLLAR	6.062	30.13									
7,346.00	29.00	7,248.81	285.10	479.14	165.61	-450.05	0.80	30	DRILL PIPE		940.57									
7,488.00	29.00	7,374.00	285.10	547.92	183.75	-516.52		45	HEAVY WEIGHT DRILL PIPE	4.500	1,379.07									
7,499.00	32.50	7,383.46	283.00	563.53	185.11	-521.97	33.28	1	DRILLING JAR	6.250	30.19									
7,530.00	65.70	7,403.47	283.00	578.56	190.30	-544.48	107.10	15	HEAVY WEIGHT DRILL PIPE	4.500	455.02									
7,562.00	68.90	7,415.82	283.00	605.98	196.94	-573.25	10.00													
7,593.00	42.80	7,433.11	283.00	631.29	202.66	-597.89	84.84													
7,624.00	46.80	7,455.14	282.80	653.01	207.48	-619.25	13.58													
7,655.00	50.20	7,475.66	283.00	678.15	212.63	-641.89	11.01													
7,685.00	54.00	7,494.11	282.20	699.72	217.79	-664.99	12.84													
7,746.00	62.00	7,527.46	283.00	762.90	229.45	-717.06	12.74													
Total BHA Length: 2,904.17																				
String Wt Up: Rotating String Wt:																				
String Wt Down: BHA Hr Last Insp:																				
LAST CASING / BOP / NEXT CASING																				
Depth: 3,858		FIT:		Size: 9.625		Wt: 40.00		Grade: J55		Connection: LT&C		Next Casing: 7,000 @ 8,015.00								
Last BOP Test Date: 12/27/2005		Accident: N		Loss Control Inc:		24 Hr Forecast: DRLG CURVE														
Activity Last 24 Hours																				
From	To	Hrs	Prob?																	
06:00	07:30	1.50	NO	PUMP SWEEP AND CRC OUT																
07:30	11:00	3.50	NO	TOH																
11:00	12:30	1.50	NO	XO BIT. MTR AND ORIENT DIRECTIONAL ASSEMBLY																
12:30	14:30	2.00	NO	TH																
14:30	14:45	0.25	NO	WASH TO BOTTOM, ORIENT TOOL FACE																
14:45	06:00	15.25	NO	SLIDE 7488'-7519' ROT 7519'-7525' SLIDE 7525'-7549' ROT 7549'-7554' SLIDE 7554'-7580' ROT 7580'-7588' SLIDE 7588'-7612' ROT 7612'-7617' SLIDE 7617'-7647' ROT 7647'-7652' SLIDE 7652'-7674' ROT 7674'-7682' SLIDE 7682'-7705' ROT 7705'-7714' SLIDE 7714'-7736' ROT 7736'-7741' SLIDE 7741'-7750'																
COSTS SUMMARY																				
Code		Description		Costs																
206-043		DAY RATE		14,000.00																
206-044		SAT		65.00																
206-045		TOOLS/SERVICE		8,415.00																
206-102		CORROSION CHEM		1,058.00																
206-103		ROT HEAD, FLO LN VLVE		250.00																
206-103		FORKLIFT		110.00																
206-103		TOP DRIVE		2,700.00																
206-103		PVT/COM SAT		310.00																
206-103		HOUSING 2 UNITS		150.00																
206-103		REMOTE CHOKE		110.00																
206-103		TRASH TRAILOR		20.00																
206-103		SEPTIC AND WATER		110.00																
206-103		INTERCOMS		57.50																
206-104		4.5 Hvy Wt/30 16.6 G		980.00																
206-201		MUD LOGGER		600.00																
206-203		TRUCKING & HOTSHOT																		
206-259		INSPECT CASING																		
206-289		ON LOCATION SUPER		1,100.00																
206-302		POTABLE																		
206-302		BRINE																		
206-302		FRESH WATER		640.00																
206-306		6000 GAL DIESEL		12,256.00																
206-652		H2S + SET UP/TRAILOR		55.00																
206-695		SALES TAX		3,887.00																
Total Daily Cost:				46,843																
Cumulative Cost to Date:				939,835																
FOREMAN: JIMMY LIGHT																				

DAILY ONSHORE ORIG DRLG REPORT															Page						
APACHE 24 FED 10H															DATE: 1/2/2008						
DISTRICT: PERMAN BASIN					TIGHT GROUP: UNRESTRICTED					REPORT NO: 17		SPUD DATE: 12/18/2005									
LOCATION: SEC. 24-225-30E					LAT-LONG: 32.377 N - 103.827 W					FORMATION: DELAWARE											
PROJECT: PB NEW MEXICO					KB ELEV: 3,409.00					LITHOLOGY: LIME SAND											
FIELD: CUANAHADA RIDGE SOUTHEAST					WE: 100.00000					DEPTH: 8,018 DSS: 15.00		FOOTAGE: 288									
COUNTY: EDDY					APL: 30-015-34218					RIG NM / NO: MCKAY		17									
STATE: NM					AFE #: 118314					RIG PH #: 505 748-5211											
PROP. #: 416425-100					AFE DRLG COST: 1,258,000					AFE COMP COST: 1,032,000		AFE TOTAL COST: 2,330,000									
AUTH TVD: 7,590 (R)					DAILY DRLG COST: 31,883					DAILY COMP COST: 0		DAILY TOTAL COST: 31,883									
AUTH TMD: 10,576 (R)					CUM DRLG COST: 971,516					CUM COMP COST: 0		CUM TOTAL COST: 971,516									
BIT #	SERIAL #	TYPE	SIZE	WOC Code	FROM	TO	FEET	HRS	ROP	J1-5	WOB	RPM	I	O	D	L	B	G	O	R	
4	PC7878	XR40YODP	8.750		7,488.0	8,018.0	530.0	38.00	14.72	1313/13	35	122									
MUD PROPERTIES					MUD USED					HYDRAULICS											
Time: Solids:					Mud Additive					Used											
MW: 8.40 Oil:																					
VISC: 29 10 sec Gel:																					
pH: 10.00 10 min Gel:																					
Chl: CA:																					
WL: 15.00 Pm:																					
HTHP: PI:																					
FC: Ex Lime:																					
PV: Elec Stab:																					
YP: MBT:																					
LCM: LGS:																					
Daily Mud Lost to Hole:					Bbls Daily / Cum Mud Cost:					\$ / 34,738											
Cum Mud Lost to Hole:					0.0 Bbls Cons Gas:					Trip Gas:											
					Bbls Gas:																
SURVEYS (Side-track: OH)										BHA #: 4											
MD	Angle	TVD	Dir	V Sect	+N-S	+E-W	D L	City	Description	OD	Length										
7,499.00	32.58	7,393.49	283.00	653.63	185.11	-521.67	33.28	1	POLYCRYSTALLINE DIAMOND BIT	8.750	1.00										
7,530.00	35.70	7,403.47	283.00	576.56	180.30	-544.48	107.10	1	1.25 DEG. POM	6.500	23.10										
7,562.00	38.90	7,415.82	283.00	605.98	186.94	-573.25	10.00	1	NON-MAG POWY COLLAR	6.750	10.50										
7,593.00	42.60	7,433.11	283.00	631.29	202.66	-587.69	84.84	1	DRILL COLLAR	6.625	32.18										
7,624.00	46.80	7,455.14	282.80	653.01	207.48	-619.25	13.58	1	CROSS OVER	6.312	2.41										
7,656.00	50.20	7,476.68	283.00	676.15	212.63	-641.89	11.01	1	NON-MAG DRILL COLLAR	6.062	30.13										
7,688.00	54.00	7,494.11	282.20	698.72	217.79	-664.69	12.84	30	DRILL PIPE		940.57										
7,748.00	62.00	7,527.48	283.00	752.90	229.45	-717.08	12.74	45	HEAVY WEIGHT DRILL PIPE	4.500	1,379.07										
7,779.00	62.70	7,541.85	284.00	780.28	236.86	-743.78	3.64	1	DRILLING JAR	6.250	30.19										
7,810.00	65.70	7,568.34	285.40	808.15	242.95	-770.77	10.50	15	HEAVY WEIGHT DRILL PIPE	4.500	455.02										
7,841.00	70.00	7,587.03	285.40	836.84	250.57	-798.45	13.87														
7,871.00	74.30	7,576.22	285.80	865.37	258.25	-823.95	14.39														
7,901.00	78.40	7,583.04	286.50	894.66	266.37	-854.00	17.15														
7,932.00	83.70	7,587.60	288.20	925.21	275.52	-883.26	14.89														
7,963.00	85.30	7,590.57	289.60	956.06	285.51	-912.45	6.84														
8,018.00	90.00	7,592.82	289.90	1,010.96	304.08	-964.15	8.56														
										Total BHA Length:		2,904.17									
										String Wt Up:											
										Rotating String Wt:											
										BHA Hr Last Insp:											
LAST CASING / BOP / NEXT CASING																					
Depth: 3,868		FIT:		Size: 9.625		Wt: 40.00		Grader: J65		Connection: LT&C		Next Casing: 7,000 @ 8,015.00									
Last BOP Test Date: 12/27/2005		Accident: N		Loss Control Inc:		24 Hr Forecast:		TON LOG TH CRC OUT, LD PIPE TO RUN CAS													
Activity Last 24 Hours										COSTS SUMMARY											
From	To	Hrs	Prob?	Code Description Costs																	
08:00	08:45	2.75	NO	206-043 DAY RATE 14,000.00																	
08:45	09:00	0.25	NO	206-044 SAT 55.00																	
09:00	14:45	5.75	NO	206-045 TOOLS/SERVICE 8,415.00																	
14:45	15:15	0.50	NO	206-102 CORROSION CHEM																	
15:15	20:00	4.75	NO	206-103 ROT HEAD/FLO LN VLVE 250.00																	
20:00	20:15	0.25	NO	206-103 FORKLIFT 110.00																	
20:15	23:15	3.00	NO	206-103 TOP DRIVE 2,700.00																	
23:15	23:30	0.25	NO	206-103 PVT/COM SAT 310.00																	
23:30	03:30	4.00	NO	206-103 HOUSING 2 UNITS 150.00																	
03:30	06:00	1.50	NO	206-103 REMOTE CHOKE 110.00																	
06:00	06:30	0.50	NO	206-103 TRASH TRAILOR 20.00																	
06:30	08:00	0.50	NO	206-103 SEPTIC AND WATER 110.00																	
				206-103 INTERCOMS 57.50																	
				206-104 4.5 HWY W/730 16.6 G 980.00																	
				206-201 MUD LOGGER 800.00																	
				206-203																	
				206-258 INSPECT CASING																	
				206-269 ON LOCATION SUPER 1,100.00																	
				206-302 POTABLE																	
				206-302 BRINE																	
				206-302 FRESH WATER																	
				206-552 H2S + SET UP/TRAILOR 55.00																	
				206-895 SALES TAX 2,860.00																	
										Total Daily Cost: 31,883											
										Cumulative Cost to Date: 971,516											
FOREMAN: JIMMY LIGHT																					

DEVON

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Partner Report

ONSHORE ORIG DRLG

WELL NAME		24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H		315	9,935	7,614	22.00	24	1/9/2006
RIG NAME & NO.	FOREMAN	AFE NO.	AUTH MD	AUTH TVD	API NO.		
MCVAY DRILLING 7	CHAD A. BUTLER	119314	10,576	7,590	30-015-34218-		
LAST CASING	NEXT CASING	DATE OF LAST SAFETY MEETING		LAST BOP PRES TEST		INCIDENT IDENTIFICATION	
7.000 (in) @ 8,018.00 (ft)	4.500 (in) @ 10,576.00 (ft)	1/9/2006		1/4/2006			
FIELD NAME		LEAKOFF	MW	WI	NRI		
QUAHADA RIDGE SOUTHEAST			8.70	100.00000			
LITHOLOGY		DAILY DRLG	DAILY COMP COST		DAILY TOTAL COST		
SANDSTONE		33,004	0		33,004		
CURRENT STATUS		CUM DRLG	CUM COMP COST		CUM TOTAL WELL COST		
SLIDE DRLG @ 9,935'		1,561,776	0		1,561,776		
24 HR FORECAST		AFE DHC	AFE COMP COST		AFE TOTAL PROJ COST		
SLIDE & ROTATE DRLG & SHORT TRIP.		1,298,000	1,032,000		2,330,000		

DAILY OPERATIONAL COMMENTS: SHORT TRIP HAD 14 K'S DRAG OVERPUL.

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	06:15	0.25	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,620' TO 9,626', MADE 6' @ 24' FPH, WOB 10 K'S, BIT RPM'S 294.
06:15	08:00	1.75	PROD	DRLG	DRLG		SLIDE DRLG 40 TO THE RIGHT F/ 9,626' TO 9,646', MADE 20' @ 11.4 FPH, WOB 30 K'S, BIT RPM'S 229.
08:00	08:30	0.50	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,646' TO 9,655', MADE 9' @ 18' FPH, WOB 8 K'S, BIT RPM'S 294. PUMP 65 VISC 25 BBLS SWEEP FOR SHORT TRIP.
08:30	10:30	2.00	PROD	DRLG	STRIP		SHORT TRIP OUT OF HOLE F/ 9,655' TO 8,000', HOLE HAD 15 K,S OVERPULL, JET SHALE PIT TO REDUCE SOLIDS AND TRIP IN HOLE TO 9,655' NO FILL HOLE CLEAN AND SURVEY. NO DRAG COMING THROUGH SHOUGH ON THIS SHORT TRIP.
10:30	11:45	1.25	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,655' TO 9,687', MADE 32' @ 25.6' FPH, WOB 8 K'S, BIT RPM'S 294.
11:45	13:45	2.00	PROD	DRLG	DRLG		SLIDE DRLG 30 TO THE RIGHT F/ 9,687' TO 9,707', MADE 20' @ 10 FPH, WOB 35 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN.
13:45	14:15	0.50	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,707' TO 9,718', MADE 11' @ 22' FPH, WOB 10 K'S, BIT RPM'S 294.
14:15	16:30	2.25	PROD	DRLG	DRLG		SLIDE DRLG 15 TO THE RIGHT F/ 9,718' TO 9,737', MADE 19' @ 8.5 FPH, WOB 50 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN.
16:30	17:00	0.50	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,737' TO 9,750', MADE 13' @ 26' FPH, WOB 10 K'S, BIT RPM'S 294.
17:00	20:00	3.00	PROD	DRLG	DRLG		SLIDE DRLG 15 TO THE RIGHT F/ 9,750' TO 9,782', MADE 32' @ 10.7 FPH, WOB 50 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN.
20:00	20:15	0.25	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,782' TO 9,790', MADE 8' @ 32' FPH, WOB 10 K'S, BIT RPM'S 294.
20:15	22:30	2.25	PROD	DRLG	DRLG		SLIDE DRLG 15 TO THE RIGHT F/ 9,790' TO 9,817', MADE 27' @ 12 FPH, WOB 50 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN.
22:30	22:45	0.25	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,817' TO 9,832', MADE 15' @ 60' FPH, WOB 12 K'S, BIT RPM'S 294.
22:45	23:45	1.00	PROD	DRLG	DRLG		SLIDE DRLG 15 TO THE RIGHT F/ 9,832' TO 9,845', MADE 13' @ 13 FPH, WOB 30 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN.
23:45	00:00	0.25	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,845' TO 9,850', MADE 5' @ 20' FPH, WOB 12 K'S, BIT RPM'S 294.

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Partner Report
ONSHORE ORIG DRLG

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WELL NAME	APACHE 24 FED 10H	24 HRS PROG	315	TMD	9,935	TVD	7,614	DFS	22.00	REPT NO.	24	DATE	1/9/2006
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OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
00:00	01:30	1.50	PROD	DRLG	DRLG		SLIDE DRLG 5 TO THE RIGHT F/ 9,850' TO 9,870', MADE 20' @ 13.4 FPH, WOB 30 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN.
01:30	02:00	0.50	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,870' TO 9,880', MADE 10' @ 20' FPH, WOB 10 K'S, BIT RPM'S 294.
02:00	06:00	4.00	PROD	DRLG	DRLG		SLIDE DRLG 5 TO THE RIGHT F/ 9,880' TO 9,935', MADE 55' @ 13.8 FPH, WOB 30 K'S, BIT RPM'S 229. PUMPING 5 GALLONS OF RG-LUBE FOR SLIDING EVERY 30 MIN. SURVEY AT CONNECTION.
06:00			PROD	DRLG			FORMATION LOWER BRUSHY CANYON. LITHOLOGY AT REPORT IS 100% SANDSTONE, 50 - 60 BACKGROUND GAS & 70 - 100 CONNECTION GAS. SHOWS ARE 20 - 60 PAIL YELLOW FLOURESCENT CUT. GASES HAVE BEEN 300 TO 400 RANGE THROUGH OUT DAY.

DENSITY(ppg)		8.70		PP		ECD 9.09		MUD DATA		DAILY COST		CUM COST		66.075	
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL	OIL/WAT		%Sand/MBT		Ph/pM	Pf/Mf	CI	Ca	H2S	LIME	ES
36	5/10	3/5	10.40/	1.00/2.00	/		/		10.00/0.10	0.10/0.33	14,000	800			

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
5 /	6.125	SMITH TOOL	M75KYPX	JW2702	12/12/12/12/12/	8,018.0	1/5/2006	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
5 / / 1	10 / 50	65 / 65	219	1,500	126	21.00	15.0	0.71	83.50	1,617.0	19.37

BHA / HOLE CONDITIONS

BHA NO.	5	BIT NO.	5	JAR HRS OF SERVICE		BHA HRS SINCE INSP	84
BHA WT. BELOW JARS	STRING WT. UP	STRING WT. DN	STRING WT. ROT	TORQUE / UNITS	BHA LENGTH		
	145,000	115,000	127,000	ft-lbf	103.94		
ITEM DESCRIPTION	NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE	
M75		0.75	6.125	2.0000	3.500	REG	
1.5 BENT HOUSING	1	30.89	4.750	1.7500	3.500	IF	
SNMDC	1	9.76	4.750	2.0000	3.500	IF	
NON-MAG SPIRAL DRILL COLLAR	1	30.92	4.750	2.0000	3.500	IF	
UPA UBHO		3.89	4.750	2.0000	3.500	IF	
NON-MAG SPIRAL DRILL COLLAR	1	27.73	4.750	2.0000	3.500	IF	

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
9,600.00	88.00	285.80	7,610.15	721.41	-2,435.8	2,539.87	9,790.00	89.80	289.30	7,614.80	778.57	-2,616.9	2,729.77
9,663.00	88.00	286.80	7,612.35	739.08	-2,496.2	2,602.81	9,854.00	90.20	290.30	7,614.80	800.25	-2,677.1	2,793.72
9,727.00	88.90	288.20	7,614.08	758.32	-2,557.2	2,666.79	9,935.00	90.70	290.50	7,614.16	828.48	-2,753.0	2,874.63

PUMP / HYDRAULIC DATA

NO.	MAKE OF PUMP	STROKE (in)	LINER (in)	SPM	Q (gpm)	PRESS. (psi)	TOTAL Q	KILL SPM / PRESSURE
1	GARDNER - DENVER	9.000	5.000	100	218.02	1,500	218.02	

MUD GAS

AVG. CONN:	70	AVG. TRIP:	0	AVG. BKGRD:	50
MAX. CONN:	100	MAX. TRIP:	0	MAX. DRL:	60

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	315	9,935	7,614	22.00	24	1/9/2006

MUD VOLUMES (bbl) / ANNULAR VELOCITIES (ft/min)

HOLE	PIT 1			TOTAL	MUD LOST	MUD DUMPED	ANN VEL DP	ANN VEL DC	ANN VEL RISER
70.0	740.0			810.0			198.9	336.0	

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	ALLIANCE	MUD ENGINEER	1	1.00
TESCO	TOP DRIVE	1	24.00	BULL ROGERS	LD MACHINE	2	
SIERRA	CONSULTANT	1	24.00	BULL ROGERS	CASING CREW	4	
BAKER INTEQ	DIRECTIONAL PERSON	4	96.00	BJ SERVICES	CEMT CREW		
MORECO	MUD LOGGER	1	24.00	WEATHERFORD ENTE	TOOL TECH	1	

REQUIREMENTS

HOLE CLEAN ON TRIP.

Last Casing Equip. (01/03/06): INTERMEDIATE 2 1.000@8,029.86	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	2.0			26.00	J-55	LT&C	92.770	-11.00
CASING JOINT(S)	86.0			23.00	J-55	LT&C	3,914.770	81.77
DV TOOL	1.0			23.00	J-55	LT&C	2.500	3,996.54
CASING JOINT(S)	14.0			23.00	J-55	LT&C	634.560	3,999.04
	2.0						90.550	4,633.60
CASING JOINT(S)	70.0			26.00	J-55	LT&C	3,245.770	4,724.15
FLT COLLAR	1.0			26.00	J-55	LT&C	1.200	7,969.92
SHOE JOINT	1.0			26.00	J-55	LT&C	46.530	7,971.12
FLT SHOE	1.0			26.00	J-55	LT&C	1.210	8,017.65

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Partner Report

ONSHORE ORIG DRLG

WELL NAME APACHE 24 FED 10H		24 HRS PROG 442	TMD 10,377	TVD 7,601	DFS 23.00	REPT NO. 25	DATE 1/10/2006
RIG NAME & NO. MCVAY DRILLING 7		FOREMAN CHAD A. BUTLER	AFE NO. 119314	AUTH MD 10,576	AUTH TVD 7,590	API NO. 30-015-34218-	
LAST CASING 7.000 (in) @ 8,018.00 (ft)		NEXT CASING 4.500 (in) @ 10,576.00 (ft)		DATE OF LAST SAFETY MEETING 1/10/2006		LAST BOP PRES TEST 1/4/2006	
INCIDENT IDENTIFICATION							
FIELD NAME QUAHADA RIDGE SOUTHEAST		LEAKOFF	MW 8.70	WI 100.00000	NRI		
LITHOLOGY SANDSTONE		DAILY DRLG 33,204	DAILY COMP COST 0		DAILY TOTAL COST 33,204		
CURRENT STATUS ROTATE DRLG AHEAD @ 10,377'		CUM DRLG 1,594,980	CUM COMP COST 0		CUM TOTAL WELL COST 1,594,980		
24 HR FORECAST DRLG TO TD, CIRC, AND SHORT TRIP, CIRC, TOH, RUN LINE		AFE DHC 1,298,000	AFE COMP COST 1,032,000		AFE TOTAL PROJ COST 2,330,000		

DAILY OPERATIONAL COMMENTS: SHORT TRIP HAD 15 KS DRAG AND NO DRAG WHEN BIT WENT THROUGH CSG SHOE.

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	09:00	3.00	PROD	DRLG	DRLG		SLIDE DRLG 5 TO TH RIGHT F/ 9,935' TO 9,972', MADE 37' @ 12.4 FPH, BIT RPM'S 229, WOB 35 K'S, PUMPING 5 GALLONS OF RG LUBE EVERY 30 MIN.
09:00	09:30	0.50	PROD	MISC	RIGSER		SERVICE RIG EQUIPMENT & SURVEY.
09:30	14:15	4.75	PROD	DRLG	DRLG		ROTATE DRLG F/ 9,972' TO 10,100', MADE 128' @ 26.9 FPH, WOB 15 KS, 309 BIT RPM'S.
14:15	15:30	1.25	PROD	DRLG	DRLG		SURVEY & ORIENTATE SLIDE DRLG 170 TO THE RIGHT F/ 10,100' TO 10,110', MADE 10' @ 8 FPH, 229 BIT RPM'S, 30 K'S WOB. PUMPING 5 GALLONS OF RG LUBE EVERY 30 MIN.
15:30	18:00	2.50	PROD	DRLG	DRLG		ROTATE DRLG F/ 10,110' TO 10,163', MADE 53' @ 21.2 FPH, WOB 15 KS, 309 BIT RPM'S. PUMP TWO SWEEPS @ 80 VISC PRIOR TO TRIP OUT STAGING SWEEPS 30 MIN APART.
18:00	20:30	2.50	PROD	DRLG	STRIP		SHORT TRIP OUT OF HOLE F/ 10,163' TO 8,000' HAD 15K'S DRAG ON TRIP OUT. JET SHALE PIT AND TRIP IN HOLE TO 10,163' HAD NO FILL CIRC AND SURVEY.
20:30	06:00	9.50	PROD	DRLG	DRLG		ROTATE DRLG F/ 10,163' TO 10,377', MADE 214' @ 22.5 FPH, WOB 15 KS, 309 BIT RPM'S. SURVEY AND CHECK SHOTS EVERY CONNECTION. HOLE CLEAN NO TORQUE TURNING ROTARY 80 RPM'S.
06:00			PROD	DRLG			FORMATION LOWER BRUSHY CANYON. LITHOLOGY 100% SANDSTONE. BACKGROUND GAS 30-40 UNITS. CONNECTION GAS 70 - 100 UNITS. TRIP GAS ON SHORT TRIP 314 UNITS. CONTINUOUS SHOWS 20 - 40% FLOURESCENTS WITH TRACES SLOW EVEN WET CUT.

DENSITY(ppg)		8.70		PP		ECD		9.12		MUD DATA		DAILY COST		12,516		CUM COST		78,591		
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL		OIL/WAT		%Sand/MBT		Ph/pM		P/Mf		CI		Ca		H2S	LIME	ES
36	6/10	3/5	8.20/	1.00/2.00		/		/		10.00/0.10		0.10/0.33		12,000		800				

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
5 /	6.125	SMITH TOOL	M75KYPX	JW2702	12/12/12/12/12/	8,018.0	1/5/2006	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
5 / / 1	20 / 45	65 / 80	219	1,450	126	19.75	742.0	37.57	103.25	2,359.0	22.85

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG	TMD	TVD	DFS	REPT NO.	DATE
APACHE 24 FED 10H	442	10,377	7,601	23.00	25	1/10/2006

BHA / HOLE CONDITIONS

BHA NO.	5	BIT NO.	5	JAR HRS OF SERVICE	BHA HRS SINCE INSP	104
BHA WT. BELOW JARS	STRING WT. UP	STRING WT. DN	STRING WT. ROT	TORQUE / UNITS	BHA LENGTH	
	152,000	118,000	135,000	2,600 ft-lbf	103.94	
ITEM DESCRIPTION	NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE
M75		0.75	6.125	2.0000	3.500	REG
1.5 BENT HOUSING	1	30.89	4.750	1.7500	3.500	IF
SNMDC	1	9.76	4.750	2.0000	3.500	IF
NON-MAG SPIRAL DRILL COLLAR	1	30.92	4.750	2.0000	3.500	IF
UPA UBHO		3.89	4.750	2.0000	3.500	IF
NON-MAG SPIRAL DRILL COLLAR	1	27.73	4.750	2.0000	3.500	IF

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
9,917.00	91.40	291.50	7,613.92	822.72	-2,735.9	2,856.61	10,172.00	91.30	291.70	7,602.63	919.99	-2,971.3	3,110.44
9,981.00	93.30	293.00	7,611.29	846.93	-2,795.1	2,920.35	10,235.00	91.00	291.40	7,601.37	943.12	-3,029.9	3,173.28
10,045.00	93.60	293.10	7,607.44	871.94	-2,853.9	2,983.95	10,299.00	89.50	290.00	7,601.09	965.74	-3,089.8	3,237.19
10,108.00	91.90	292.10	7,604.42	896.12	-2,912.0	3,046.64	10,377.00	89.50	290.00	7,601.77	992.42	-3,163.1	3,315.12

PUMP / HYDRAULIC DATA

NO.	MAKE OF PUMP	STROKE (in)	LINER (in)	SPM	Q (gpm)	PRESS. (psi)	TOTAL Q	KILL SPM / PRESSURE
1	GARDNER - DENVER	9.000	5.000	100	218.02	1,450	218.02	(42/400)

MUD GAS

AVG. CONN:	0	AVG. TRIP:	0	AVG. BKGRD:	0
MAX. CONN:	0	MAX. TRIP:	0	MAX. DRL:	0

MUD VOLUMES (bbl) / ANNULAR VELOCITIES (ft/min)

HOLE	PIT 1	TOTAL	MUD LOST	MUD DUMPED	ANN VEL DP	ANN VEL DC	ANN VEL RISER
78.0	773.0	851.0			198.9	336.0	

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	ALLIANCE	MUD ENGINEER	1	2.00
TESCO	TOP DRIVE	1	24.00	BULL ROGERS	LD MACHINE	2	
SIERRA	CONSULTANT	1	24.00	BULL ROGERS	CASING CREW	4	
BAKER INTEQ	DIRECTIONAL PERSON	4	96.00	BJ SERVICES	CEMT CREW		
MORECO	MUD LOGGER	1	24.00	WEATHERFORD ENTE	TOOL TECH	1	

REQUIREMENTS

HOLE CLEAN 15 K'S DRAG.

Last Casing Equip. (01/03/06): INTERMEDIATE 2 1.000@8,029.86	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	2.0			26.00	J-55	LT&C	92.770	-11.00
CASING JOINT(S)	86.0			23.00	J-55	LT&C	3,914.770	81.77
DV TOOL	1.0			23.00	J-55	LT&C	2.500	3,996.54
CASING JOINT(S)	14.0			23.00	J-55	LT&C	634.560	3,999.04
	2.0						90.550	4,633.60
CASING JOINT(S)	70.0			26.00	J-55	LT&C	3,245.770	4,724.15
FLT COLLAR	1.0			26.00	J-55	LT&C	1.200	7,969.92
SHOE JOINT	1.0			26.00	J-55	LT&C	46.530	7,971.12
FLT SHOE	1.0			26.00	J-55	LT&C	1.210	8,017.65

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME APACHE 24 FED 10H		24 HRS PROG 153	TMD 10,530	TVD	DFS 24.00	REPT NO. 26	DATE 1/11/2006
RIG NAME & NO. MCVAY DRILLING 7		FOREMAN CHAD A. BUTLER	AFE NO. 119314	AUTH MD 10,576	AUTH TVD 7,590	API NO. 30-015-34218-	
LAST CASING 7.000 (in) @ 8,018.00 (ft)		NEXT CASING 4.500 (in) @ 10,576.00 (ft)		DATE OF LAST SAFETY MEETING 1/10/2006		LAST BOP PRES TEST 1/4/2006	
INCIDENT IDENTIFICATION							
FIELD NAME QUAHADA RIDGE SOUTHEAST		LEAKOFF	MW 8.70	WI 100.00000	NRI		
LITHOLOGY SANDSTONE		DAILY DRLG 39,405	DAILY COMP COST 0		DAILY TOTAL COST 39,405		
CURRENT STATUS RIG ON DOWNTIME DUE TO HITTING THE CROWN OF DER		CUM DRLG 1,634,384	CUM COMP COST 0		CUM TOTAL WELL COST 1,634,384		
24 HR FORECAST RIG ON DOWN TIME REPAIR CROWN IN DERRICK.		AFE DHC 1,298,000	AFE COMP COST 1,032,000		AFE TOTAL PROJ COST 2,330,000		

DAILY OPERATIONAL COMMENTS: OPEN HOLE SEEMS TO BE CLEAN.

OPERATIONS SUMMARY

FROM	TO	HOURS	PHASE	STEP	OPER	TASK	DESCRIPTION
06:00	09:45	3.75	PROD	DRLG	DRLG		ROTATE DRLG F/ 10,377' TO 10,475', MADE 98' @ 26.2 FPH, WOB 20 K'S, BIT RPM'S 309, SURVEY EVERY CONNECTION.
09:45	10:15	0.50	PROD	MISC	RIGSER		RIG UP FLOW METER ON MUD PUMPS FOR FLUID CALIPER.
10:15	11:00	0.75	PROD	DRLG	DRLG		ROTATE DRLG F/ 10,475' TO 10,485', MADE 10' @ 13.4 FPH, WOB 20 K'S, BIT RPM'S 309, SURVEY @ CONNECTION.
11:00	11:30	0.50	PROD	DRLG	CIRC		CIRCULATE HOLE - HAD TO CIRCULATE AND WAIT FOR MWD COMPUTER TO REBOOT FOR LOGGING. LOST ELECTRICITY TO TRAILOR FROM RENTAL GENERATOR.
11:30	12:30	1.00	PROD	DRLG	DRLG		ROTATE DRLG F/ 10,485' TO 10,504', MADE 19' @ 19 FPH, WOB 20 K'S, BIT RPM'S 309, SURVEY @ CONNECTION.
12:30	13:00	0.50	PROD	MISC	RIGSER		RIG DOWN FLUID CALIPER FLOW METER FROM PUMPS.
13:00	14:00	1.00	PROD	DRLG	DRLG		ROTATE DRLG F/ 10,504' TO 10,530', MADE 26' @ 26 FPH, WOB 20 K'S, BIT RPM'S 309, SURVEY @ TD. FINAL TVD WAS 7,606.56 @ 10,530' MD @ TD.
14:00	16:15	2.25	PROD	DRLG	CIRC		CIRCULATE AND PUMP SWEEPS. PUMP TWO 50 BBLS OF 65 VISC. SWEEP 20 MIN APART AND ROTATE PIPE 85 RPM'S TO CLEAN HOLE.
16:15	18:00	1.75	PROD	DRLG	STRIP		SHORT TRIP OUT OF HOLE F/ 10,530' TO 8,000'. HAD 18K'S DRAG UP AND 28 K'S DRAG GOING DOWN. TRIP IN HOLE TO 10,530' NO FILL. HOLE SEEMS TO BE CLEAN.
18:00	20:30	2.50	PROD	DRLG	CIRC		CIRCULATE AND PUMP SWEEPS. PUMP TWO 50 BBLS OF 65 VISC. SWEEP 20 MIN APART AND ROTATE PIPE 85 RPM'S TO CLEAN HOLE. THEN SPOT 150 BBLS OF SLICKUM SWEEP IN OPEN HOLE AND CURVE FOR LINER RUNNING.
20:30	23:00	2.50	PROD	DRLG	TRIP		TRIP OUT OF HOLE F/ 10,530 TO 4,962', HOLE HAD 25K'S DRAG ON TRIP OUT OF VERTICAL SECTION. AT RELIEF CHANGE MORNING TOUR DRILLER WENT TO PULL 1ST STAND FOR HIS TOUR AND RAN INTO THE CROWN WITH TRAVELING BLOCKS.
23:00	06:00	7.00	PROD	MISC	RIGSER		RIG DOWNTIME - TRAVELING BLOCKS WERE RUN INTO CROWN ON DERRICK CAUSING DAMAGE TO CROWN AND MCVAY DRILLING IS GOING TO HAVE TO MAKE REPAIRS TO CROWN SECTION OF DERRICK. WAITING ON DAYLIGHT AND CRANES TO REMOVE CROWN FROM DERRICK.
06:00			PROD	MISC			FORMATION IS LOWER BRUSHY CANYON. LITHOLOGY 100% SANDSTONE WITH TRACE OF SHALE. 50 - 75 UNITS OF BACKGROUND GAS. 75 - 150 UNITS OF CONNECTION GAS. SHORT TRIP GAS WAS 228 UNITS.

DEVON
Partner Report
ONSHORE ORIG DRLG

Page 2 of 3

WELL NAME	APACHE 24 FED 10H	24 HRS PROG	153	TMD	10,530	TVD		DFS	24.00	REPT NO.	26	DATE	1/11/2006
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DENSITY(ppg)	8.70	PP		ECD	9.12	MUD DATA	DAILY COST	9,181	CUM COST	87,772			
FV	PV/YP	GELS	WL/HTHP	FC/T.SOL	OIL/WAT	%Sand/MBT	Ph/pM	Pf/Mf	CI	Ca	H2S	LIME	ES
36	6/10	3/5	8.20/	1.00/2.00	/	/	10.00/0.10	0.10/0.33	12,000	800			

BITS

BIT / RUN	SIZE	MANUF.	TYPE	SERIAL NO.	JETS OR TFA	DEPTH IN	DATE IN	I-O-D-L-B-G-O-R
5 /	6.125	SMITH TOOL	M75KYPX	JW2702	12/12/12/12/12/	8,018.0	1/5/2006	-----

BIT OPERATIONS

BIT / RUN / CHK#	WOB	RPM	GPM	PRESS	P BIT	HRS	24Hr DIST	24Hr ROP	CUM HRS	CUM DEPTH	CUM ROP
5 / / 1	10 / 25	70 / 85	219	1,450	126	6.25	153.0	24.48	109.50	2,512.0	22.94

BHA / HOLE CONDITIONS

BHA NO.	5	BIT NO.	5	JAR HRS OF SERVICE		BHA HRS SINCE INSP	104		
BHA WT. BELOW JARS	STRING WT. UP		STRING WT. DN		STRING WT. ROT		TORQUE / UNITS	BHA LENGTH	
	150,000		100,000		128,000		2,300 ft-lbf	103.94	
ITEM DESCRIPTION				NO JTS	LENGTH	O.D.	I.D.	CONN SIZE	CONN TYPE
M75					0.75	6.125	2.0000	3.500	REG
1.5 BENT HOUSING				1	30.89	4.750	1.7500	3.500	IF
SNMDC				1	9.76	4.750	2.0000	3.500	IF
NON-MAG SPIRAL DRILL COLLAR				1	30.92	4.750	2.0000	3.500	IF
UPA UBHO					3.89	4.750	2.0000	3.500	IF
NON-MAG SPIRAL DRILL COLLAR				1	27.73	4.750	2.0000	3.500	IF

SURVEY DATA

M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION	M.D.	INCL.	AZIMUTH	T.V.D.	N/S CUM	E/W CUM	SECTION
10,362.00	88.90	290.70	7,601.97	987.65	-3,148.8	3,300.11	10,475.00	88.20	290.30	7,604.73	1,027.05	-3,254.7	3,412.95
10,426.00	88.60	290.30	7,603.36	1,010.06	-3,208.8	3,364.02	10,530.00	87.90	290.30	7,606.60	1,046.12	-3,306.3	3,467.86

PUMP / HYDRAULIC DATA

NO.	MAKE OF PUMP	STROKE (in)	LINER (in)	SPM	Q (gpm)	PRESS. (psi)	TOTAL Q	KILL SPM / PRESSURE
1	GARDNER - DENVER	9.000	5.000	100	218.02	1,450	218.02	

MUD VOLUMES (bbl) / ANNULAR VELOCITIES (ft/min)

HOLE	PIT 1			TOTAL	MUD LOST	MUD DUMPED	ANN VEL DP	ANN VEL DC	ANN VEL RISER
80.0	773.0			853.0			198.9	336.0	

PERSONNEL DATA

COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
MCVAY DRLG	RIG CREWS	16	144.00	ALLIANCE	MUD ENGINEER	1	2.00
TESCO	TOP DRIVE	1	24.00	BULL ROGERS	LD MACHINE	2	2.00
SIERRA	CONSULTANT	1	24.00	BULL ROGERS	CASING CREW	4	2.00
BAKER INTEQ	DIRECTIONAL PERSON	4	96.00	BJ SERVICES	CEMT CREW		
MORECO	MUD LOGGER	1	24.00	WEATHERFORD ENTE	TOOL TECH	1	

REQUIREMENTS

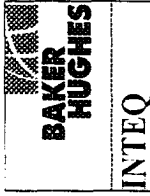
RIG ON DOWNTIME.

Last Casing Equip. (01/03/06): INTERMEDIATE 2 1.000@8,029.86	Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
CASING JOINT(S)	2.0			26.00	J-55	LT&C	92.770	-11.00
CASING JOINT(S)	86.0			23.00	J-55	LT&C	3,914.770	81.77
DV TOOL	1.0			23.00	J-55	LT&C	2.500	3,996.54
CASING JOINT(S)	14.0			23.00	J-55	LT&C	634.560	3,999.04

DEVON
Partner Report
ONSHORE ORIG DRLG

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WELL NAME	24 HRS PROG			TMD	TVD	DFS	REPT NO.	DATE			
APACHE 24 FED 10H	153			10,530		24.00	26	1/11/2006			
Last Casing Equip. (01/03/06): INTERMEDIATE 2 1.000@8,029.86				Jnt #	OD	ID	Weight	Grade	Conn	Length	Top Depth
				2.0						90.550	4,633.60
CASING JOINT(S)				70.0			26.00	J-55	LT&C	3,245.770	4,724.15
FLT COLLAR				1.0			26.00	J-55	LT&C	1.200	7,969.92
SHOE JOINT				1.0			26.00	J-55	LT&C	46.530	7,971.12
FLT SHOE				1.0			26.00	J-55	LT&C	1.210	8,017.65



Company: Devon Energy
Field: Apache 24
Cty/Blk/Par: Eddy, Cnty. N.M.
Well Name: Fed #10-H
Rig: McVay #7

Job Number: 1047738
Magnetic Decl.: 8.38
Grid Corr.: 0.00
Total Survey Corr.: 8.38
Target Info:

Calculation Method Minimum Curvature
Proposed Azimuth 287.7
Depth Reference RKB
Tie Into: Gyro Survey

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure Dist (ft)	Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)					
0	GYRC	4165	0.66	98.56		4164.86	8.12	15.41	-3.62					
1	MWD	4222	0.60	108.93	57	4221.86	7.50	15.26 N	3.01 W	15.56	348.83	0.23	-0.1	18.2
2	MWD	4346	0.50	108.60	124	4345.85	6.31	14.88 N	1.89 W	15.00	352.78	0.08	-0.1	-0.3
3	MWD	4471	0.20	350.10	125	4470.85	5.87	14.92 N	1.41 W	14.99	354.61	0.50	-0.2	193.2
4	MWD	4596	0.30	345.20	125	4595.85	6.14	15.45 N	1.53 W	15.53	354.35	0.08	0.1	-3.9
5	MWD	4722	0.40	332.50	126	4721.85	6.63	16.16 N	1.82 W	16.26	353.59	0.10	0.1	-10.1
6	MWD	4848	0.40	301.20	126	4847.84	7.37	16.78 N	2.39 W	16.95	351.88	0.17	0.0	-24.8
7	MWD	4972	0.40	304.00	124	4971.84	8.21	17.25 N	3.12 W	17.53	349.73	0.02	0.0	2.3
8	MWD	5097	0.50	310.40	125	5096.84	9.13	17.84 N	3.90 W	18.27	347.67	0.09	0.1	5.1
9	MWD	5223	0.50	303.70	126	5222.83	10.17	18.51 N	4.78 W	19.11	345.53	0.05	0.0	-5.3
10	MWD	5347	0.60	308.30	124	5346.83	11.29	19.21 N	5.74 W	20.05	343.37	0.09	0.1	3.7
11	MWD	5473	0.70	309.30	126	5472.82	12.63	20.10 N	6.85 W	21.24	341.19	0.08	0.1	0.8
12	MWD	5597	0.60	306.90	124	5596.81	13.94	20.97 N	7.96 W	22.43	339.23	0.08	-0.1	-1.9
13	MWD	5723	0.50	314.20	126	5722.80	15.06	21.75 N	8.88 W	23.49	337.80	0.10	-0.1	5.8
14	MWD	5847	0.60	292.80	124	5846.80	16.19	22.38 N	9.86 W	24.46	336.22	0.18	0.1	-17.3
15	MWD	5909	1.60	307.90	62	5908.79	17.32	23.04 N	10.85 W	25.46	334.79	1.67	1.6	24.4
16	MWD	5970	3.60	300.50	61	5969.72	19.99	24.54 N	13.17 W	27.85	331.78	3.32	3.3	-12.1
17	MWD	6034	5.30	298.40	64	6033.52	24.85	26.96 N	17.50 W	32.14	327.01	2.67	2.7	-3.3
18	MWD	6098	7.70	300.20	64	6097.11	31.94	30.52 N	23.81 W	38.71	322.05	3.76	3.8	2.8
19	MWD	6161	9.20	297.40	63	6159.42	41.03	34.96 N	31.93 W	47.35	317.60	2.47	2.4	-4.4
20	MWD	6225	10.50	294.90	64	6222.48	51.86	39.77 N	41.76 W	57.67	313.61	2.14	2.0	-3.9
21	MWD	6287	11.80	293.80	62	6283.31	63.76	44.71 N	52.68 W	69.10	310.32	2.12	2.1	-1.8
22	MWD	6349	13.20	290.30	62	6343.84	77.14	49.73 N	65.12 W	81.94	307.36	2.57	2.3	-5.6
23	MWD	6412	14.40	286.80	63	6405.02	92.16	54.49 N	79.37 W	96.27	304.47	2.32	1.9	-5.6
24	MWD	6475	15.40	285.80	63	6465.90	108.35	59.03 N	94.92 W	111.78	301.88	1.64	1.6	-1.6
25	MWD	6537	16.30	284.70	62	6525.54	125.27	63.48 N	111.26 W	128.09	299.71	1.53	1.5	-1.8
26	MWD	6597	17.60	286.50	60	6582.93	142.75	68.19 N	128.10 W	145.12	298.03	2.34	2.2	3.0

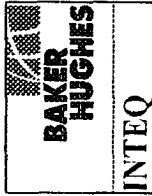


Company: Devon Energy
Field: Apache 24
Cty/Bk/Par: Eddy, Cnty. N.M.
Well Name: Fed #10-H
Rig: McVay #7

Job Number: 1047738
Magnetic Decl.: 8.38
Grid Corr.: 0.00
Total Survey Corr.: 8.38
Target Info:

Calculation Method Minimum Curvature
Proposed Azimuth 287.7
Depth Reference RKB
Tie Info: Gyro Survey

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
27	MWD	6659	19.80	285.10	62	6641.66	162.61	73.59 N	147.23 W	164.59	296.56	3.62	3.5	-2.3
28	MWD	6722	22.70	286.80	63	6700.37	185.43	79.88 N	169.17 W	187.08	295.28	4.71	4.6	2.7
29	MWD	6785	24.70	287.20	63	6758.05	210.75	87.29 N	193.38 W	212.17	294.29	3.18	3.2	0.6
30	MWD	6848	25.40	287.20	63	6815.13	237.43	95.18 N	218.87 W	238.67	293.50	1.11	1.1	0.0
31	MWD	6911	26.80	286.80	63	6871.70	265.14	103.28 N	245.37 W	266.22	292.83	2.24	2.2	-0.6
32	MWD	6972	28.30	288.90	61	6925.78	293.35	111.94 N	272.22 W	294.33	292.35	2.93	2.5	3.4
33	MWD	7034	30.00	286.80	62	6979.93	323.54	121.18 N	300.96 W	324.44	291.93	3.20	2.7	-3.4
34	MWD	7098	30.90	287.50	64	7035.10	355.97	130.75 N	331.95 W	356.77	291.50	1.51	1.4	1.1
35	MWD	7160	30.70	286.50	62	7088.36	387.72	140.03 N	362.31 W	388.43	291.13	0.89	-0.3	-1.6
36	MWD	7223	29.40	286.50	63	7142.89	419.26	148.99 N	392.56 W	419.88	290.78	2.06	-2.1	0.0
37	MWD	7284	29.10	286.10	61	7196.11	449.06	157.35 N	421.17 W	449.60	290.49	0.59	-0.5	-0.7
38	MWD	7346	29.00	285.10	62	7250.31	479.14	165.45 N	450.16 W	479.61	290.18	0.80	-0.2	-1.6
39	MWD	7407	29.20	284.00	61	7303.61	508.76	172.90 N	478.88 W	509.14	289.85	0.94	0.3	-1.8
40	MWD	7438	29.40	284.00	31	7330.65	523.90	176.57 N	493.60 W	524.23	289.68	0.65	0.6	0.0
41	MWD	7469	30.10	283.70	31	7357.56	539.25	180.25 N	508.53 W	539.53	289.52	2.31	2.3	-1.0
42	MWD	7499	32.50	283.00	30	7383.19	554.79	183.85 N	523.70 W	555.03	289.34	8.09	8.0	-2.3
43	MWD	7530	35.70	283.00	31	7408.86	572.11	187.76 N	540.63 W	572.31	289.15	10.32	10.3	0.0
44	MWD	7562	38.90	283.00	32	7434.31	591.44	192.12 N	559.52 W	591.59	288.95	10.00	10.0	0.0
45	MWD	7593	42.60	283.00	31	7457.79	611.60	196.67 N	579.23 W	611.71	288.75	11.94	11.9	0.0
46	MWD	7624	46.80	282.60	31	7479.82	633.32	201.50 N	600.49 W	633.40	288.55	13.58	13.5	-1.3
47	MWD	7655	50.20	283.00	31	7500.36	656.45	206.64 N	623.13 W	656.50	288.35	11.01	11.0	1.3
48	MWD	7685	54.00	282.20	30	7518.78	680.03	211.80 N	646.23 W	680.05	288.15	12.84	12.7	-2.7
49	MWD	7716	57.50	283.30	31	7536.23	705.56	217.46 N	671.22 W	705.56	287.95	11.66	11.3	3.5
50	MWD	7748	60.40	284.00	32	7552.73	732.90	223.93 N	697.85 W	732.90	287.79	9.25	9.1	2.2
51	MWD	7779	62.70	284.00	31	7567.50	760.10	230.53 N	724.30 W	760.10	287.65	7.42	7.4	0.0
52	MWD	7810	65.70	285.40	31	7580.99	787.97	237.61 N	751.29 W	787.97	287.55	10.50	9.7	4.5
53	MWD	7841	70.00	285.40	31	7592.68	816.65	245.23 N	778.96 W	816.66	287.48	13.87	13.9	0.0



Company: Devon Energy
Field: Apache 24
Cty/Bk/Par: Eddy, Cnty. N.M.
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Rig: McVay #7

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Calculation Method Minimum Curvature
Proposed Azimuth 287.7
Depth Reference RKB
Tie Into: Gyro Survey

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
54	MWD	7871	74.30	285.80	30	7601.87	845.18	252.91 N	806.46 W	845.19	287.41	14.39	14.3	1.3
55	MWD	7901	79.40	286.50	30	7608.69	874.37	261.04 N	834.51 W	874.39	287.37	17.15	17.0	2.3
56	MWD	7932	83.70	288.20	31	7613.25	905.03	270.18 N	863.77 W	905.04	287.37	14.89	13.9	5.5
57	MWD	7963	85.30	289.60	31	7616.22	935.88	280.18 N	892.96 W	935.89	287.42	6.84	5.2	4.5
58	MWD	8013	88.60	288.00	50	7618.88	985.79	296.26 N	940.22 W	985.79	287.49	7.33	6.6	-3.2
59	MWD	8045	88.90	286.50	32	7619.58	1017.78	305.75 N	970.77 W	1017.78	287.48	4.78	0.9	-4.7
60	MWD	8077	89.20	285.50	32	7620.11	1049.76	314.57 N	1001.53 W	1049.77	287.44	3.26	0.9	-3.1
61	MWD	8108	89.30	285.40	31	7620.51	1080.74	322.83 N	1031.41 W	1080.75	287.38	0.46	0.3	-0.3
62	MWD	8140	89.60	286.50	32	7620.82	1112.72	331.62 N	1062.17 W	1112.74	287.34	3.56	0.9	3.4
63	MWD	8203	88.90	285.40	63	7621.65	1175.68	348.93 N	1122.74 W	1175.71	287.26	2.07	-1.1	-1.7
64	MWD	8267	89.10	285.40	64	7622.76	1239.62	365.92 N	1184.43 W	1239.67	287.17	0.31	0.3	0.0
65	MWD	8330	87.90	284.70	63	7624.41	1302.54	382.28 N	1245.25 W	1302.61	287.07	2.20	-1.9	-1.1
66	MWD	8394	89.40	286.10	64	7625.92	1366.47	399.27 N	1306.93 W	1366.56	286.99	3.21	2.3	2.2
67	MWD	8457	92.40	287.90	63	7624.93	1429.44	417.68 N	1367.16 W	1429.54	286.99	5.55	4.8	2.9
68	MWD	8521	93.20	288.20	64	7621.80	1493.36	437.49 N	1427.94 W	1493.45	287.03	1.33	1.3	0.5
69	MWD	8584	90.80	287.20	63	7619.60	1556.32	456.63 N	1487.92 W	1556.41	287.06	4.13	-3.8	-1.6
70	MWD	8648	91.70	287.50	64	7618.21	1620.30	475.71 N	1548.99 W	1620.39	287.07	1.48	1.4	0.5
71	MWD	8711	91.80	287.50	63	7616.28	1683.27	494.64 N	1609.04 W	1683.36	287.09	0.16	0.2	0.0
72	MWD	8775	91.70	287.20	64	7614.33	1747.24	513.72 N	1670.10 W	1747.33	287.10	0.49	-0.2	-0.5
73	MWD	8838	91.60	286.50	63	7612.52	1810.21	531.97 N	1730.37 W	1810.30	287.09	1.12	-0.2	-1.1
74	MWD	8901	90.10	285.10	63	7611.58	1873.17	549.12 N	1790.98 W	1873.27	287.05	3.26	-2.4	-2.2
75	MWD	8965	90.20	285.10	64	7611.41	1937.10	565.80 N	1852.77 W	1937.24	286.98	0.16	0.2	0.0
76	MWD	9029	89.90	285.40	64	7611.36	2001.05	582.63 N	1914.52 W	2001.21	286.93	0.66	-0.5	0.5
77	MWD	9093	90.10	285.80	64	7611.36	2065.00	599.84 N	1976.16 W	2065.19	286.89	0.70	0.3	0.6
78	MWD	9156	90.90	286.50	63	7610.81	2127.98	617.36 N	2036.67 W	2128.19	286.86	1.69	1.3	1.1
79	MWD	9220	92.20	287.20	64	7609.08	2191.95	635.91 N	2097.90 W	2192.16	286.86	2.31	2.0	1.1
80	MWD	9283	91.90	286.50	63	7606.82	2254.90	654.16 N	2158.16 W	2255.12	286.86	1.21	-0.5	-1.1



Company: Devon Energy
Field: Apache 24
Cty/Blk/Par: Eddy, Cnty. N.M.
Well Name: Fed #10-H
Rig: McVay #7

Job Number: 1047738
Magnetic Decl.: 8.38
Grid Corr.: 0.00
Total Survey Corr.: 8.38
Calculation Method Minimum Curvature
Proposed Azimuth 287.7
Depth Reference RKB
Tie Info: Gyro Survey

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
81	MWD	9346	89.30	286.10	63	7606.16	2317.87	671.84 N	2218.62 W	2318.11	286.85	4.18	-4.1	-0.6
82	MWD	9409	89.60	285.80	63	7606.77	2380.84	689.15 N	2279.19 W	2381.10	286.82	0.67	0.5	-0.5
83	MWD	9473	89.50	285.80	64	7607.27	2444.81	706.57 N	2340.77 W	2445.09	286.80	0.16	-0.2	0.0
84	MWD	9536	88.70	285.10	63	7608.26	2507.75	723.36 N	2401.48 W	2508.06	286.76	1.69	-1.3	-1.1
85	MWD	9600	88.00	285.80	64	7610.10	2571.68	740.40 N	2463.14 W	2572.02	286.73	1.55	-1.1	1.1
86	MWD	9663	88.00	286.80	63	7612.30	2634.62	758.07 N	2523.57 W	2634.97	286.72	1.59	0.0	1.6
87	MWD	9727	88.90	288.20	64	7614.03	2698.59	777.31 N	2584.59 W	2698.94	286.74	2.60	1.4	2.2
88	MWD	9790	89.80	289.30	63	7614.75	2761.58	797.55 N	2644.24 W	2761.90	286.78	2.26	1.4	1.7
89	MWD	9854	90.20	290.30	64	7614.75	2825.53	819.23 N	2704.45 W	2825.81	286.85	1.68	0.6	1.6
90	MWD	9917	91.40	291.50	63	7613.87	2888.42	841.71 N	2763.30 W	2888.65	286.94	2.69	1.9	1.9
91	MWD	9981	93.30	293.00	64	7611.24	2952.16	865.92 N	2822.48 W	2952.32	287.06	3.78	3.0	2.3
92	MWD	10045	93.60	293.10	64	7607.39	3015.76	890.93 N	2881.27 W	3015.87	287.18	0.49	0.5	0.2
93	MWD	10108	91.90	292.10	63	7604.37	3078.45	915.11 N	2939.36 W	3078.51	287.29	3.13	-2.7	-1.6
94	MWD	10172	91.30	291.70	64	7602.58	3142.25	938.97 N	2998.72 W	3142.29	287.39	1.13	-0.9	-0.6
95	MWD	10235	91.00	291.40	63	7601.32	3205.09	962.11 N	3057.30 W	3205.11	287.47	0.67	-0.5	-0.5
96	MWD	10299	89.50	290.00	64	7601.04	3269.00	984.73 N	3117.16 W	3269.01	287.53	3.21	-2.3	-2.2
97	MWD	10362	88.90	290.70	63	7601.92	3331.92	1006.63 N	3176.23 W	3331.93	287.58	1.46	-1.0	1.1
98	MWD	10426	88.60	290.30	64	7603.32	3395.83	1029.04 N	3236.16 W	3395.83	287.64	0.78	-0.5	-0.6
99	MWD	10475	88.20	290.30	49	7604.68	3444.76	1046.04 N	3282.10 W	3444.76	287.68	0.82	-0.8	0.0
100	PRJ	10530	87.90	290.30	55	7606.56	3499.67	1065.11 N	3333.65 W	3499.67	287.72	0.55	-0.5	0.0

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