

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1998

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 683-1412

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

Section 6, T-31-N, R-10-W, K
1650' FSL & 1650' FWL

RECEIVED
NOV 12 1998

OIL CON. DIV.
DIST. 3

5. Lease Designation and Serial No.

SF 078215 B

6. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

Well Name and No.

Primo # 1

9. API Well No.

30-045-11019

Field and Pool, or Exploration Area

Blanco Mesaverde

11. County or Parish, State

San Juan, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Side track Data
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was sidetracked. The following is a drilling summary of work performed.

1. RU drilling rig (Big A #42) on 8/7/98
2. Pressure test existing CIBP @ 3686' to 1000 psi on 8/9/98. Test ok
3. RIH w/ oriented whipstock, orient to 263.7 degrees, set @ 3666' to 3678'
4. TIH w/ starter mill and mill casing window from 3666' to 3680' on 8/10/98
5. Using gyro and 6 1/4" bit assembly, drill sidetrack (See attached directional survey info.)
6. Drilled hole up to 39 degree deviation, reaching MD TD of 5386' on 8/15/98
(TVD of 5150.8') Total Bottom hole displacement from original wellbore was 761' in direction of 269.6 degrees.
7. On 8/16, RIH w 4 1/2", 11.6# K-55 csg to TD (to surface), cementing up through window w/200 sxs Dowel 50/50 Poz. CIG, 13.5 PPG, 1.37 cu ft/sx cement Displace w/83 bbls fresh water. Bumped plug w/1000 psi
8. Released rig @ 12 midnight, August 15, 1998
9. RU Completion rig, Ran CBL (& backside pressure test) confirmed cmt up through window. Completed well as per completion report

4. I hereby certify that the foregoing is true and correct.

Signed

Kay Maddox

Title

Regulatory Agent

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any

Date

NOV 09 1998

BLM(6), NMOC(1), SHEAR, PONCA, COST ASST, FILE ROOM

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

*See Instruction on Reverse Side

NMOC

ACCEPTED FOR RECORD

FARMINGTON DISTRICT OFFICE

Sperry-Sun Drilling Services

Survey Report for Primo 1 - GyroData Survey



New Mexico

San Juan County
Sec 6-T31N-R10W

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
100.00	0.140	313.170	100.00	0.08 N	0.09 W	0.09	0.140
200.00	0.160	337.000	200.00	0.30 N	0.23 W	0.22	0.065
300.00	0.160	327.450	300.00	0.54 N	0.36 W	0.34	0.027
400.00	0.260	328.640	400.00	0.85 N	0.56 W	0.52	0.100
500.00	0.170	32.160	500.00	1.17 N	0.59 W	0.54	0.239
600.00	0.300	6.660	600.00	1.56 N	0.49 W	0.41	0.164
700.00	0.110	8.880	700.00	1.91 N	0.44 W	0.35	0.190
800.00	0.330	290.940	800.00	2.11 N	0.69 W	0.60	0.325
900.00	0.290	290.600	899.99	2.30 N	1.20 W	1.09	0.040
1000.00	0.230	271.650	999.99	2.40 N	1.64 W	1.53	0.104
1100.00	0.210	268.410	1099.99	2.40 N	2.02 W	1.91	0.024
1200.00	0.210	253.560	1199.99	2.34 N	2.38 W	2.27	0.054
1300.00	0.160	214.250	1299.99	2.17 N	2.63 W	2.53	0.133
1400.00	0.130	221.530	1399.99	1.97 N	2.79 W	2.69	0.035
1500.00	0.280	177.660	1499.99	1.64 N	2.85 W	2.77	0.207
1600.00	0.090	198.930	1599.99	1.33 N	2.87 W	2.81	0.199
1700.00	0.290	176.610	1699.99	1.00 N	2.88 W	2.83	0.210
1800.00	0.420	218.420	1799.99	0.46 N	3.09 W	3.07	0.281
1900.00	0.360	251.210	1899.99	0.07 N	3.62 W	3.61	0.228
2000.00	0.360	235.790	1999.98	0.21 S	4.18 W	4.18	0.097
2100.00	0.410	255.810	2099.98	0.47 S	4.78 W	4.80	0.143
2200.00	0.650	280.970	2199.98	0.45 S	5.69 W	5.70	0.329
2300.00	0.660	280.700	2299.97	0.24 S	6.81 W	6.81	0.010
2400.00	0.570	258.980	2399.96	0.14 S	7.87 W	7.87	0.154
2500.00	0.430	260.060	2499.96	0.21 S	8.74 W	8.74	0.160
2600.00	0.490	161.560	2599.96	0.68 S	8.97 W	8.99	0.698
2700.00	0.310	129.500	2699.96	1.26 S	8.63 W	8.68	0.281
2800.00	0.130	204.530	2799.96	1.53 S	8.47 W	8.53	0.304
2900.00	0.200	251.710	2899.96	1.69 S	8.68 W	8.75	0.147
3000.00	0.220	285.840	2999.95	1.70 S	9.03 W	9.10	0.125
3100.00	0.700	0.320	3099.95	1.03 S	9.21 W	9.25	0.675
3200.00	0.640	347.300	3199.95	0.12 N	9.33 W	9.32	0.163
3300.00	0.740	359.650	3299.94	1.31 N	9.46 W	9.39	0.179
3397.00	0.820	130.380	3396.93	1.49 N	8.93 W	8.85	1.462
3637.00	0.700	116.700	3636.91	0.28 S	6.31 W	6.32	0.090
3673.00	0.600	235.400	3672.91	0.49 S	6.27 W	6.29	3.110
3706.00	3.300	189.900	3705.89	1.52 S	6.58 W	6.64	8.821
3737.00	5.800	196.900	3736.79	3.90 S	7.19 W	7.36	8.246
3798.00	10.400	200.300	3797.17	12.02 S	10.00 W	10.54	7.578
3862.00	14.900	200.400	3859.60	25.15 S	14.87 W	16.02	7.031
3895.00	17.100	201.800	3891.32	33.63 S	18.15 W	19.69	6.768
3958.00	20.000	215.900	3951.07	50.97 S	27.92 W	30.24	8.447
3989.00	20.800	229.800	3980.14	58.83 S	35.23 W	37.91	15.805
4050.00	22.400	247.300	4036.91	70.31 S	54.25 W	57.44	10.841

Continued...



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 59 DEGREES F, 5-8 MPH WEST WIND, CLEAR.

NOTE: AIR COMPRESSOR FUEL USED - 1,185 GALS.

WELL NAME	DATE	RIG DAYS	FOOTAGE	DAYWORK	COMPLETION										
PRIMO NO. 1 - SIDETRACK	08/16/98 SPUD DATE 08/07/98	9		9											
PRESENT OPERATION		DEPTH	PROGRESS LAST 24 HRS	DAILY ROP (FT/HR)											
RIG RELEASED 12:00 MIDNIGHT SATURDAY, 15 AUG 98 05:00 AM 16 AUGUST 1998		5,386 FT - MD PROP TD 5,378 FT - MD	0												
FORMATION POINT LOOKOUT SS % SD % SH % LM % DOLO			RKB-GL	17.5 FT	GL ELE 5,925 FT										
% PYRITE % CHERT % ANHYDRITE			ACTIVITY		TROUBLE TIME										
SUMMARY OF DAILY OPERATIONS			1 DRILLING 2 REAMING OR WASHING 3 CORING 4 CIRC & COND MUDLOSS CIRC/NET PITS 5 TRIPPING & PULD DRILL STRING 6 RIG SERVICE 7 RIG REPAIR 8 SLIP & CUT DRILL LINE 9 DEVIATION & DIRECTIONAL SURVEYS 10 LOGGING 11 RUN CASING SET SLIPS & CUT OFF 12 CEMENTING OR SQUEEZING 13 TEST CSG OR SHOEDRIG OUT CEMENT 14 WOC 15 RU OR ND BOP/TEST BOP/CHG RAMS 16 DRILL STEM TEST/FLOW TEST WELL 17 WAIT ON ORDERS CONSULT GEOLOGIST 18 WAIT ON EQUIPMENT 19 PLUGGING BACK 20 FISHING/GET HOLE/STUCK PIPE 21 DIRECTIONAL WORK/ORIENTING TOOLS 22 COMPLETION 23 WELD CASING HEAD 24 DRILL CMT & FLOAT EQUIPMENT 25 MILL WINDOW TOTAL HOURS			2 25 8 50 6 50 1 00 0 75 19 00									
05:00-06:15 1-1/4 Hrs RUN IN HOLE TO 5,386 FT. NO PROBLEMS. 06:15-07:00 3/4 Hr BREAK CIRCULATION AND BLOW HOLE DRY 07:00-08:00 1 Hr CHAIN OUT OF HOLE 30 STANDS. INSIDE 7 INCH. 08:00-08:30 1/2 Hr HELD PRE-JOB AND SAFETY MEETING. RIG UP LAY DOWN CREW. 08:30-10:30 2 Hrs LAY DOWN DRILL PIPE 10:30-11:30 1 Hr RUN IN HOLE 30 STANDS DRILL PIPE. 11:30-14:15 2-3/4 Hrs LAY DOWN DRILL PIPE AND DRILL COLLARS 14:15-15:00 3/4 Hr CHANGE PIPE RAMS TO 4-1/2 INCH. 15:00-19:30 4-1/2 Hrs HELD PRE-JOB AND SAFETY MEETING RUN RUN 4-1/2 INCH PRODUCTION CASING RIG DOWN CSG CREW. 19:30-21:00 1-1/2 Hrs BREAK CIRCULATION & BLOW WELL DRY WHILE WAITING ON DOWELL TO BATCH MIX CEMENT. 21:00-22:00 1 Hr CEMENT 4-1/2 INCH PRODUCTION CASING. BUMP PLUG AT 9:53 PM WITH 1,000 PSI. FLOATS HELD. 22:00-24:00 2 Hrs RIG DOWN DOWELL. NIPPLE DOWN BOP EQUIP SET SLIPS AS CEMENTED WITH 62,000 LBS. CUT OFF CASING, INSTALL PROTECTIVE CAP. RELEASED RIG AT 12 MIDNIGHT 15 AUGUST 1998 FINAL REPORT															
BIT RECORD															
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 3rd	FROM	TO	FIG	HRS	CONDITION			BIT WT	RPM	
2	6-1/4	HTC	STAR-50	V18YU	OPEN	4,448'	5,386'	938'	35 50	6	6	1/8	2-10	45/110	
HYDRAULICS AIR COMPRESSOR - 1,800 CFM. STANDPIPE PRESSURE = 150 PSI															
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	% EFF	Am. Vel	DC	Pot	Flow AT SPM						
1	GD PZ8	6 X 8													
2	GD PZ7	6 X 7													
MUD PROPERTIES Mud Co. Mud Engr Time Sample Taken															
TYPE	MW m	VIS m	PV	YP	GELS	pH	WL API	WL HPHT	FC	Pm	PPM	XS LIME	CHLORIDES		
AIR															
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	MW m	VIS m	FL TEMP	CALCIUM	PPH A EXCESS					
CASING															
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION							
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at		to		4-1/2" at 5,391 FT					
DRILL STRING															
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF DC	OD	IF	CONN	BHA WEIGHT						
3-1/2"	13.30	E	3-1/2" IF			5.00"	2-1/4"	3-1/2" IF							
BHA LENGTH=						DESCRIPTION:									
DEVIATION at at at at															
PICK UP WEIGHT						SLACK OFF WEIGHT						ROTATING WEIGHT			
ROTATING HOURS ON DRILL COLLARS 58.75 DAYS ON JARS SER NO DAYS ON SHOCK SUB SER NO CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42 FOREMAN ROBERT L. HOSFIELD AFE No.: 8331						COST		DAILY		CUMULATIVE					
						MUL		2,200		22,196					
						WATER		186		880					
						DIES/OIL		0		6,638					
						TANGIBLE		32,969		35,806					
						RIG COST		3,875		70,235					
						INTANGIBLE		14,670		139,007					
COMPLETION		0		0											
TOTAL		53,900		274,762											

CASING AND CEMENTING REPORT

WELL NAME & NO. PRIMO NO. 1 - SIDETRACK DATE: 15-Aug-98
CEMENTING CO. DOWELL SERVICE POINT: FARMINGTON, NM

NO JOINTS	LENGTH	SIZE	WEIGHT	GRADE	CONN.
DJ FLOAT SHOE	1.41	4-1/2"	NA	NA	LT&C
1	44.38	4-1/2"	11.6 LB/FT	K-55	LT&C
FLOAT COLLAR	1.35	4-1/2"	NA	NA	LT&C
128	5,374.88	4-1/2"	11.6 LB/FT	K-55	LT&C
CUTOFF	45.75				
TOTAL FOOTAGE	5,376.07				

NO. JOINTS DAMAGED WHILE RUNNING		LENGTH		FEET	
NO. JOINTS REJECTED FROM INSPECTION	2	LENGTH	85.92	FEET	
NO. OF "A" COND. JOINTS TO RETURN	4	LENGTH	170.15	FEET	10.50 LB/FT
MATERIAL TRANSFER NO. FOR RETURNED PIPE	72216 R				
JOINTS SANDBLASTED FROM	0	TO			
1	CENT	10' FROM	JT EVERY SHOE	JOINT AT	5,381.00 FT TO
	CENT		JT EVERY	JOINT FROM	TO
1	CENT	PER	JT EVERY 4	JOINT FROM	5,306.60 FT TO 3,588.77 FT

REMARKS: FLOAT SHOE DEPTH BASED ON CASING TALLY

FIRST STAGE:

DEPTH OF SHOE 5,391.07 FT DEPTH OF COLLAR 5,343.93 FT TOP OF LINER
CIRC. TIME 1-1/2 HR PIPE MOVEMENT ROTATE NO RPM % OF JOB DID PIPE STICK NO
RECIPROCAT 6 FT 60 % OF JOB
PREFLUSH 10 BBLS FRESH WATER + 20 BBLS CW 100 + 5 BBLS FRESH WATER
LEAD SLURRY 200 SXS OF 50/50 POZ - CLASS G + 2% GEL + 0.25 LB/SK CELLOPHANE + 5 LBS/SK KOLITE + 0.1% ANTIFOAM
+ 0.5% BT4 FLUID LOSS + 0.1% DISPERSANT
MIX WT. 13.5 YIELD 1.37 CUFT PER SACK WATER REQUIRED 6.05 GALS/SX
THICKENING TIME 3-3/4 HRS FREE WATER 0.5 MLS/2 HR WATER LOSS 338 ML/30 MIN
COMP. STRENGTH 12HR 1,100 24HR 2,300 48 HR 72HR
CRITICAL ZONE CEMENT YES
TAIL SLURRY SXS OF
MIX WT. YIELD CUFT PER SACK WATER REQUIRED GALS/SX
THICKENING TIME FREE WATER MLS/2 HR WATER LOSS CC
COMP. STRENGTH 12HR 24HR 48 HR 72HR
CRITICAL ZONE CEMENT
DISPLACED WITH 83.33 BBLS OF FRESH WATER AIR RETURNS FULL
CEMENT RETURNS 0 BBLS SXS
BUMPED PLUG AT 09:53 PM ON (DATE) 15 AUGUST 1998 WITH FLOATS HELD YES
REMARKS: 1,000 PSI

SECOND STAGE:

STAGE COLLAR DEPTH MANUFACTURER OF STAGE COLLAR
CIRC TIME BETWEEN STAGES HRS CEMENT CIRC OUT FROM FIRST STAGE BBLS/SXS
PREFLUSH
LEAD SLURRY SXS OF
MIX WT. YIELD CUFT PER SACK WATER REQUIRED GALS/SX
THICKENING TIME FREE WATER % WATER LOSS CC
COMP. STRENGTH 12HR 24HR 48 HR 72HR
CRITICAL ZONE CEMENT (YES/NO)
TAIL SLURRY SXS OF
MIX WT. YIELD CUFT PER SACK WATER REQUIRED GALS/SX
THICKENING TIME FREE WATER % WATER LOSS CC
COMP. STRENGTH 12HR 24HR 48 HR 72HR
CRITICAL ZONE CEMENT (YES/NO)
DISPLACED WITH BBLS OF MUD RETURNS (FULL/PARTIAL/NONE)
CEMENT RETURNS BBLS SXS
BUMPED PLUG AT (AM/PM) ON (DATE) STAGE TOOL HELD (YES/NO)
REMARKS: WITH PSI

TOTAL COST OF JOB \$ 6,153.44 DISCOUNT 45 %
RAN CALIPER YES SCHLUMBERGER

CUBIC FEET FOR FIRST STAGE FROM CALIPER
CUBIC FEET FOR SECOND STAGE FROM CALIPER

NOTIFIED (BLM) AT (TIME) 04:44 PM PHONE N (DATE) FRIDAY 15 AUGUST 1998



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 59 DEGREES F, 5-8 MPH WEST WIND, CLEAR.

NOTE, AIR COMPRESSOR FUEL USED - 1,154 GALS.

WELL NAME PRIMO NO. 1 - SIDETRACK		DATE 08/15/98 SPUD DATE 08/07/98	RIG DAYS 8	FOOTAGE	DAYWORK 8	COMPLETION								
PRESENT OPERATION RUN IN HOLE. WIPER TRIP. 05:00 AM 15 AUGUST 1998			DEPTH 5,386 FT - MD PROP TD 5,378 FT - MD	PROGRESS LAST 24 HRS 151 FT	DAILY ROP (FT/HR) 27.45									
FORMATION POINT LOOKOUT SS % SL % SH % LM % DOLD				RKB-GL 17.5 FT	GLE 5,925 FT									
% PYRITE % CHALK % ANHYDRITE				ACTIVITY		TROUBLE TIME								
SUMMARY OF DAILY OPERATIONS				1. DRILLING		5.50								
05:00-06:00 1 Hr SURVEY.				2. REAMING OR WASHING										
06:00-08:00 2 Hrs SLIDE DRILL FROM 5,235 FT TO 5,265 FT.				3. CORING										
08:00-08:30 1/2 Hr RIG SERVICE.				4. CIRC & COND MUD LOST CIRC /JET PITS		0.50								
08:30-10:00 1-1/2 Hr ROTARY DRILL FROM 5,265 FT TO 5,327 FT.				5. TRIPPING & PUA D DRILL STRING		8.00								
10:00-10:45 3/4 Hr SURVEY.				6. RIG SERVICE		0.50								
10:45-12:45 2 Hrs ROTARY DRILL FROM 5,327 FT TO 5,386 FT.				7. RIG REPAIR										
12:45-13:15 1/2 Hr SURVEY.				8. SLIP & CUT DRILL LINE										
13:15-13:45 1/2 Hr BLOW HOLE DRY.				9. DEVIATION & DIRECTIONAL SURVEYS		2.25								
13:45-15:30 1-3/4 Hrs RIG DOWN GYRO DATA. CHAIN OUT OF HOLE TO 3,566 FT, INSIDE 7 INCH CASING. NO PROBLEMS.				10. LOGGING		6.00								
15:30-16:45 1-1/4 Hrs FLOW TEST WELL ON 3/4 INCH CHOKE. INITIAL = 7.5 PSIG AT 326,240 CFD. FINAL = 12.0 PSIG AT 391,490 CFD.				11. RUN CASING /JET SLIPS & CUT OFF										
16:45-19:30 2-3/4 Hrs CHAIN OUT OF HOLE				12. CEMENTING OR SQUEEZING										
19:30-01:30 6 Hrs RUN SCHLUMBERGER GR/TEMP/CAL. TD = 5,388 FT.				13. TEST CSG OR SHOE/DRLG OUT CEMENT										
01:30-02:00 1/2 Hr CLEAR OUT DIRECTIONAL DRILLING TOOLS				14. WOC										
02:00-02:30 1/2 Hr BLEED OFF WELL DUE TO CHOKE MANIFOLD BEING MISTAKENLY CLOSED.				15. HU OR HD BOWTEST BOP/CHG RAMS										
02:30-05:00 2-1/2 Hrs RUN IN HOLE WIPER TRIP. NO PROBLEMS				16. DRILL STEM TEST/FLOW TEST WELL		1.25								
DRILLING BREAKDOWN: ROTATE = 3-1/2 HRS SLIDE = 2 HRS SURVEY = 2-1/4 HRS.				17. WAIT ON ORDERS - CONSULT GEOLOGIST										
				18. WAIT ON EQUIPMENT										
				19. PLUGGING BACK										
				20. FISHING/TIGHT HOLE/STUCK PIPE										
				21. DIRECTIONAL WORK/OFFSETTING TOOLS										
				22. COMPLETION										
				23. WELD CASING HEAD										
				24. DRILL CMT & FLOAT EQUIPMENT										
				25. MILL WINDOW										
				TOTAL HOURS		24.00								
BIT RECORD														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 32nd	FROM	TO	FIG	HRS	CONDITION			BIT WT	RPM
2	6-1/4	HTC	STAR-50	V18YU	OPEN	4,448'	5,386'	938'	35.50	T	B	G	2-10	45/110
HYDRAULICS AIR COMPRESSOR - 1,800 CFM. STANDPIPE PRESSURE = 425 PSI														
PUMP NO	MAKE/MODEL		SIZE	SPM	PRESSURE	PSI EFF	GPM	Ann Vel	DP	DC	Psd	P low AT SPM		
1	GD PZ8		6 X 8											
2	GD PZ7		6 X 7											
MUD PROPERTIES Mud Co. Mud Engr. Time Sample Taken														
TYPE	MW m	VIS m	PV	YP	GELS	pH	WL API	WL HPHT	FC	Pm	POME	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	MW out	VIS out	FL TEMP	CALCIUM	PHPA EXCESS				
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION						
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at to		" at						
DRILL STRING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	HO OF DC	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF	4,667.89 FT	14	5.00"	2 1/4"	3-1/2" IF	22,000 LBS					
BHA LENGTH= 527.11 FT DESCRIPTION: BIT, 1-1/2 DEG MOTOR, FLOAT SUB, FIRE STOP, ORIENTATION SUB, 14 - 5 INCH DRILL COLLARS.														
DEVIATION at SEE ATTACHED at at at														
PICK UP WEIGHT 140,000 LBS		SLACK OFF WEIGHT 80,000 LBS		ROTATING WEIGHT 86,000 LBS										
ROTATING HOURS ON DRILL COLLARS 58.75		LAST INSPECTION		COST		DAILY		CUMULATIVE						
DAYS ON JARS SER NO.				MUD		2,200		19,996						
DAYS ON SHOCK SUB SER NO.				WATER		163		694						
				DIESEL/OIL		1,435		6,638						
				TANGIBLE		0		2,837						
				RIG COST		6,000		66,360						
				INTANGIBLE		8,372		124,337						
				COMPLETION		0		0						
				TOTAL		18,170		220,862						
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42				FOREMAN: ROBERT L. HOSFIELD				AFE No.: 8331						

3595 SOUTH TELLER STREET, SUITE 303
LAKEWOOD, COLORADO 80235
TELEPHONE (303) 988-1019 FAX (303) 988-1045

[illegible]

PUMP 10 BBLS FRESH WATER + 20 8BLS CW 100 + 5 BBLS FRESHWATER
MIX AND PUMP 200 SKS 50/50 (G/POZ) + 2% GEL + 0.25 LBS/SK CELLOPHANE + 5 LBS/SK KOLITE
+ 0.1% ANTIFOAMER + 0.5% FLUID LOSS ADDITIVE + 0.1% DISPERSANT.
WEIGHT = 13.5 PPG. YIELD = 1.37 CUFT/SK.
DISPLACED WITH 83.33 BBLS FRESH WATER. BUMPED PLUG AT 1,000 PSI. FLOATS HELD.
CEMENT IN PLACE 09:53 PM 15 AUGUST 1998.
FULL AIR RETURNS.
RELEASED RIG AT 12:00 MIDNIGHT SATURDAY 15 AUGUST 1998.



CASING and TUBING TALLY

SHEET 1 OF 2

LEASE PRIMO
WELL NO. 1 SIDETRACK
SIZE OF PIPE 4-1/2 INCH
MAKE MAVERICK

WEIGHT OF PIPE 11.60 LB/FT
GRADE K-55
THREAD TYPE LT & C
COUPLING TYPE LT & C

NOTE: A separate tally sheet should be used for each weight, grade, thread or coupling change

JOINT NO	RACK MEASURE	CHECK MEASURE
1	44.38	
2	37.26	37.26
3	41.85	
4	39.78	
5	43.21	
6	44.5	
7	42.62	
8	41.41	
9	42.65	
10	41.89	41.87
TOTAL	419.55	79.13

JOINT NO	RACK MEASURE	CHECK MEASURE
11	42.62	
12	42.75	
13	42.65	
14	41.98	
15	42.37	
16	42.47	
17	42.15	
18	42.71	
19	43.89	
20	43.53	43.51
TOTAL	427.12	43.51

JOINT NO	RACK MEASURE	CHECK MEASURE
21	44.59	
22	45	
23	43.8	
24	45.53	
25	43.96	
26	44.7	
27	43.88	
28	44.1	
29	42.02	
30	41.48	41.45
TOTAL	439.06	41.45

JOINT NO	RACK MEASURE	CHECK MEASURE
31	42.93	
32	42.95	
33	42.86	
34	42.89	
35	42.92	
36	42.92	BAD PIN
37	42.98	
38	42.95	
39	43	BAD PIN
40	40.11	40.09
TOTAL	426.51	40.09

JOINT NO	RACK MEASURE	CHECK MEASURE
41	45.29	
42	42.42	
43	42.72	
44	42.72	
45	42.74	
46	42.33	
47	42.32	
48	44.97	
49	43.29	
50	44.6	44.55
TOTAL	433.4	44.55

JOINT NO	RACK MEASURE	CHECK MEASURE
51	43.51	
52	43.89	
53	44.56	
54	39.93	
55	42.45	
56	42.45	
57	44.7	
58	43.75	
59	44.9	
60	40.56	40.54
TOTAL	430.7	40.54

JOINT NO	RACK MEASURE	CHECK MEASURE
61	43.98	
62	43.5	
63	43.65	
64	44.13	
65	44.09	
66	38.86	
67	39.49	
68	45.13	
69	39.7	
70	39.91	39.89
TOTAL	422.44	39.89

JOINT NO	RACK MEASURE	CHECK MEASURE
71	44.2	
72	38.52	
73	43.66	
74	45.14	
75	35.36	
76	43	
77	44.26	
78	44.54	
79	37.84	
80	37.76	37.73
TOTAL	414.28	37.73

NOTE: In this space show location of floating equipment, centralizers, scratchers, two-stage collars. Also insert any other engineering detail

CENTRALIZERS AT: ONE 10 FT ABOVE FLOAT SHOE WITH STOP RING AT 5,381.00 FT.

ONE EVERY 4TH JOINT FROM 5,306.60 FT TO 5,588.77 FT.

FLOAT SHOE AT 5,391.07 FT.
FLOAT COLLAR AT 5,343.93 FT.

TOTAL THIS PAGE 3413.06

GRAND TOTAL 6,093.90



CASING and TUBING TALLY

SHEET 2 OF 2

LEASE PRIMO
WELL NO. 1 SIDETRACK
SIZE OF PIPE 4-1/2 INCH
MAKE MAVERICK

WEIGHT OF PIPE 11.60 LB/FT
GRADE K-55
THREAD TYPE LT & C
COUPLING TYPE LT & C

NOTE: A separate tally sheet should be used for each weight, grade, thread or coupling change.

JOINT NO	RACK MEASURE	CHECK MEASURE
81	44.32	
82	42.15	
83	44.26	
84	44.4	
85	41.79	
86	41.83	
87	41.66	
88	44.76	
89	44.44	
90	46.25	46.22
TOTAL	435.86	46.22

JOINT NO	RACK MEASURE	CHECK MEASURE
91	44.46	
92	43.71	
93	42.09	
94	44.5	
95	44.75	
96	43.69	
97	44.97	
98	31.05	
99	42.47	
100	42.5	42.46
TOTAL	424.19	42.46

JOINT NO	RACK MEASURE	CHECK MEASURE
101	42.67	
102	44.86	
103	42.6	
104	42.65	
105	42.69	
106	42.05	
107	45.26	
108	43.62	
109	44.34	
110	44.83	44.8
TOTAL	435.57	44.8

JOINT NO	RACK MEASURE	CHECK MEASURE
111	45.26	
112	35.26	
113	42.63	
114	44	
115	43.81	
116	42.41	
117	42.73	
118	36.15	
119	41.47	
120	42.08	42.06
TOTAL	415.8	42.06

JOINT NO	RACK MEASURE	CHECK MEASURE
121	41.98	
122	41.38	
123	42.79	
124	40.75	
125	42.7	
126	41.94	
127	41.57	
128	41.85	
129	42.75	OUT
130	42.08	OUT
TOTAL	419.79	0

JOINT NO	RACK MEASURE	CHECK MEASURE
131	42.63	OUT
132	42.69	OUT
133	42.45	OUT
134	39.11	OUT
135	42.38	OUT
136	41.9	OUT
137	42.7	OUT
138	42.1	OUT
139	41.68	OUT
140	41.69	OUT
TOTAL	419.33	0

JOINT NO	RACK MEASURE	CHECK MEASURE
141	42.63	OUT
142	43.81	OUT
143	43.86	BAD TUBE
144		
145		
146		
147		
148		
149		
150		
TOTAL	130.3	0

JOINT NO	RACK MEASURE	CHECK MEASURE
151		
152		
153		
154		
155		
156		
157		
158		
159		
160		
TOTAL	0	0

NOTE: In this space show location of floating equipment, centralizers, scratchers, two-stage collars. Also insert any other engineering detail.

TOTAL THIS PAGE 2680.84

GRAND TOTAL 6,093.90



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 51 DEGREES F, CALM, CLEAR.

NOTE: FLARE ON CONNECTIONS IS 10-15 FT.
FROM 5,195 FT FLARE WHILE DRILLING IS 8-10 FT.

WELL NAME PRIMO NO. 1 - SIDETRACK		DATE 08/14/98 SPUD DATE 08/07/98	RIG DAYS 7	FOOTAGE	DAYWORK 7	COMPLETION								
PRESENT OPERATION ROTARY DRILL AT 5,235 FT. 05:00 AM 14 AUGUST 1998			DEPTH 5,235 FT - MD PROP TD 5,378 FT - MD	PROGRESS LAST 24 HRS 529 FT	DAILY ROP (FT/HR) 34.69									
FORMATION POINT LOOKOUT SS		% SD	% SH	% LM	% DOL	RIG-GL 17.5 FT GLEF 5,925 FT								
% PYRITE			% CHERT		% ANHYDRITE									
SUMMARY OF DAILY OPERATIONS			ACTIVITY		TROUBLE TIME									
05:00-08:00 3 Hrs SLIDE & SURVEY FROM 4,706 FT TO 4,739 FT.			1 DRILLING		15.25									
08:00-11:00 3 Hrs ROTATE & SURVEY FROM 4,739 FT TO 4,827 FT.			2 REAMING OR WASHING											
11:00-11:30 1/2 Hr RIG SERVICE. ADJUST KELLY BUSHINGS			3 CORING											
11:30-13:30 2 Hrs ROTATE & SURVEY FROM 4,827 FT TO 4,890 FT.			4 CIRC & COND MUD/LOST CIRC/DET PITS											
13:30-14:00 1/2 Hr RIG SERVICE. FUNCTION TEST PIPE RAMS.			5 TRIPPING & PULD DRILL STRING		1.00									
14:00-18:00 4 Hrs ROTATE & SURVEY FROM 4,890 TO 4,984 FT.			6 RIG SERVICE											
18:00-18:30 1/2 Hr SLIDE & SURVEY FROM 4,984 FT TO 4,995 FT.			7 RIG REPAIR											
18:30-20:30 2 Hrs ROTATE & SURVEY FROM 4,995 FT TO 5,078 FT.			8 SLIP & CUT DRILL LINE		7.75									
20:30-21:30 1 Hr SLIDE DRILL FROM 5,078 FT TO 5,090 FT.			9 DEVIATION & DIRECTIONAL SURVEYS											
21:30-05:00 7-1/2 Hrs ROTATE & SURVEY FROM 5,090 FT TO 5,235 FT.			10 LOGGING											
DRILLING BREAKDOWN: ROTATE = 12-1/4 Hrs. SLIDE = 3 Hrs.			11 RUN CASING/SET SLIPS & CUT OFF											
SURVEY = 7-3/4 Hrs.			12 CEMENTING OR SQUEEZING											
NOTE: AIR COMPRESSOR FUEL USED = 1,493 GALLONS.			13 TEST CSG OR SHOE/DRILG OUT CEMENT											
			14 WOC											
			15 HU OR ND BOP/TEST BOP/CHG RAMS											
			16 DRILL STEM TEST											
			17 WAIT ON ORDERS - CONSULT GEOLOGIST											
			18 WAIT ON EQUIPMENT											
			19 PLUGGING BACK											
			20 FISHING/TIGHT HOLE/STUCK PIPE											
			21 DIRECTIONAL WORK/ORIENTING TOOLS											
			22 COMPLETION											
			23 WELD CASING HEAD											
			24 DRILL CMT & FLOAT EQUIPMENT											
			25 MILL WINDOW											
TOTAL HOURS					24.00									
BIT RECORD														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 32nd	FROM	TO	FIG	HR	CONDITION			BIT WT	RPM
2	6-1/4	HTC	STAR-50	V18YU	OPEN	4,448'	5,235'	787"	30	T	B	G	2-10	45/110
HYDRAULICS AIR COMPRESSOR = 1,800 CFM. STANDPIPE PRESSURE = 425 PSI														
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	PSI EFF	Ann Vel	DP	DC	Pst	Flow AT SPM				
1	GD PZ8	6 X 8												
2	GD PZ7	6 X 7												
MUD PROPERTIES Mud Co. Mud Engr. Time Sample Taken														
TYPE	MW m	VIS m	PV	YP	GELS	pH	WL-API	WL-HPH	FC	Pm	PBMt	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	NW out	VIS out	F L TEMP	CALCIUM	PHPA EXCESS				
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION						
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at to		" at						
DRILL STRING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO. OF DC	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF	4,667.89 FT	14	5.00"	2 1/4"	3-1/2" IF	22,000 LBS.					
BHA LENGTH= 527.11 FT DESCRIPTION: BIT, 1-1/2 DEG MOTOR, FLOAT SUB, FIRE STOP, ORIENTATION SUB, 14 - 5 INCH DRILL COLLARS.														
DEVIATION at SEE ATTACHED at at at														
PICK UP WEIGHT 120,000 LBS		SLACK OFF WEIGHT 84,000 LBS		ROTATING WEIGHT 88,000 LBS										
ROTATING HOURS ON DRILL COLLARS 53.25		LAST INSPECTION		COST		DAILY		CUMULATIVE						
DAYS ON JARS SER NO				MUD		2,344		17,796						
DAYS ON SHOCK SUB SER NO				WATER		144		531						
				DIESEL/OIL		1,545		5,203						
				TANGIBLE		0		2,837						
				RIG COST		6,000		60,360						
				INTANGIBLE		8,372		115,965						
				COMPLETION		0		0						
				TOTAL		18,405		202,692						
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42			FOREMAN: ROBERT L. HOSFIELD			AFE No.: 8331								



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 58 DEGREES F, CALM, CLEAR.

WELL NAME PRIMO NO. 1 - SIDETRACK		DATE 08/13/98 SPUD DATE: 08/07/98	RIG DAYS 6	FOOTAGE	DAYWORK 6	COMPLETION									
PRESENT OPERATION SLIDE DRILL AT 4,706 FT. 05:00 AM 13 AUGUST 1998		DEPTH 4,706 FT - MD PROP TD 5,378 FT - MD	PROGRESS LAST 24 HRS 258 FT		DAILY ROP (FT/HR) 17.49										
FORMATION CLIFF HOUSE/MENEFEE		% SD	% SH	% LM	% DOLG	RKB-GL 17.5 FT GL ELE 5,925 FT									
% PYRITE		% CHERT	% ANHYDRITE		TROUBLE TIME										
SUMMARY OF DAILY OPERATIONS				ACTIVITY											
05:00-07:00 2 Hrs RUN IN HOLE TO 4,348 FT. NO PROBLEMS. 07:00-10:00 3 Hrs BREAK CIRCULATION. PRECAUTIONARY WASH AND REAM FROM 4,348 FT TO 4,448 FT. NO FILL. 10:00-10:30 1/2 Hr ORIENTATE MOTOR. 10:30-18:00 7-1/2 Hrs SLIDE & SURVEY FROM 4,448 FT TO 4,565 FT. 18:00-18:30 1/2 Hr SURVEY AND ORIENTATE. 18:30-23:15 4-3/4 Hrs SLIDE DRILL FROM 4,565 FT TO 4,630 FT. 23:15-12:00 3/4 Hr SURVEY AND ORIENTATE. 12:00-02:45 2-3/4 Hrs ROTARY DRILL FROM 4,630 FT TO 4,701 FT. 02:45-04:30 1-3/4 Hrs SURVEY AND ORIENTATE. 04:30-05:00 1/2 Hr SLIDE DRILL FROM 4,701 FT TO 4,706 FT. DRILLING BREAKDOWN: SLIDE DRILLING = 12 HRS. ROTARY DRILLING = 2-3/4 HRS. SURVEY = 3-3/4 HRS. NOTE: 20-15 FT FLARE ON CONNECTIONS				1 DRILLING		14.75									
				2 REAMING OR WASHING		3.00									
				3 CORING											
				4 CIRC & COND MUDLOSS CIRC/DET PITS											
				5 TRIPPING & PUL/D DRILL STRING		2.00									
				6 RIG SERVICE											
				7 RIG REPAIR											
				8 SLIP & CUT DRILL LINE											
				9 DEVIATION & DIRECTIONAL SURVEYS		3.75									
				10 LOGGING											
				11 RUN CASING/SET SLIPS & CUT OFF											
				12 CEMENTING OR SQUEEZING											
				13 TEST CSG OR SHOE/DMLG, OUT CEMENT											
				14 WOC											
				15 NU OR NO BOP/TEST BOP/HG RAMS											
				16 DRILL STEM TEST											
				17 WAIT ON ORDERS - CONSULT GEOLOGIST											
				18 WAIT ON EQUIPMENT											
				19 PLUGGING BACK											
				20 FISHING/TIGHT HOLE/STUCK PIPE											
				21 DIRECTIONAL WORK/ORIENTING TOOLS		0.50									
				22 COMPLETION											
				23 WELD CASING HEAD											
				24 DRILL CMT & FLOAT EQUIPMENT											
				25 MILL WINDOW											
TOTAL HOURS				24.00											
BIT RECORD															
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 3/4	FROM	TO	FTG	HRS	CONDITION			BIT WT	RPM	
2	6-1/4	HTC	STAR-50	V18YU	OPEN	4,448'	4,706'	258'	14-3/4	T	B	C	2-10	45/110	
HYDRAULICS							AIR COMPRESSOR = 1,800 CFM. STANDPIPE PRESSURE = 425 PSI.								
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	% EFF	Asm Vel		P		P		P low AT SPM			
1	GD PZ8	6 X 8				I P		I P		P					
2	GD PZ7	6 X 7													
MUD PROPERTIES							Mud Co.		Mud Engr.		Time Sample Taken				
TYPE	MW in	VIS in	PV	YP	GELS	pH	WL-API	WL-HPH1	FC	Pm	POM	XS LIME	CHLORIDES		
AIR															
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	MW out	VIS out	FL TEMP		CALCIUM		PHPA EXCESS			
CASING															
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION							
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at		to		" at					
DRILL STRING															
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF DC	OD	ID	CONN	BHA WEIGHT						
3-1/2"	13.30	E	3-1/2" IF	4,138.89 FT	14	5.00"	2-1/4"	3-1/2" IF	22,000 LBS						
BHA LENGTH= 527.11 FT DESCRIPTION: BIT, 1-1/4 DEG MOTOR, FLOAT SUB, FIRE STOP, ORIENTATION SUB, 14 - 5 INCH DRILL COLLARS.															
DEVIATION at SEE ATTACHED. at at at															
PICK UP WEIGHT 120,000 LBS		SLACK OFF WEIGHT 74,000 LBS		ROTATING WEIGHT 88,000 LBS											
ROTATING HOURS ON DRILL COLLARS 38.00 DAYS ON JARS SER NO DAYS ON SHOCK SUB SER NO		LAST INSPECTION		COST		DAILY		CUMULATIVE							
				MUD		2,200		15,452							
				WATER		0		387							
				DIESEL/OIL		0		3,658							
				TANGIBLE		0		2,837							
				RIG COST		6,000		54,360							
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42		FOREMAN: ROBERT L. HOSFIELD		AFE No.: 8331		INTANGIBLE		6,040		107,593					
						COMPLETION		0		0					
						TOTAL		14,240		184,287					



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 60 DEGREES F, 0-5 mph SOUTHWEST WIND, CLEAR

WELL NAME: PRIMO NO. 1 - SIDETRACK		DATE 08/12/98	RIG DAYS 5	FOOTAGE	DAYWORK 5	COMPLETION								
PRESENT OPERATION: RUN IN HOLE WITH BIT NO. 2. 05:00 AM 12 AUGUST 1998		DEPTH 4,448 FT - MD PROP TD 5,378 FT - MD	PROGRESS LAST 24 HRS 318 FT		DAILY ROP (FT/HR) 28.91									
FORMATION LEWIS SHALE ---		% SD	% SH	% LM	% DOLO	RKB-GL 17.5 FT GLELE 5,925 FT								
% PYRITE		% CHERT		% ANHYDRITE										
SUMMARY OF DAILY OPERATIONS		ACTIVITY				TROUBLE TIME								
05:00-06:15 1-1/4 Hrs SLIDE & SURVEY FROM 4,130 FT TO 4,163 FT.		1 DRILLING		11.00										
06:15-07:45 1-1/2 Hrs ROTATE & SURVEY FROM 4,163 FT TO 4,196 FT.		2 REAMING OR WASHING												
07:45-09:15 1-1/2 Hrs SLIDE & SURVEY FROM 4,196 FT TO 4,228 FT.		3 CORING												
09:15-11:30 2-1/4 Hrs ROTATE & SURVEY FROM 4,228 FT TO 4,291 FT.		4 CIRC & COND MUDLOG/ST CIRC/SET PITS		7.00										
11:30-12:30 1 Hr SLIDE DRILL FROM 4,291 FT TO 4,325 FT.		5 TRIPPING & PULD DRILL STRING												
12:30-15:15 2-3/4 Hrs ROTATE & SURVEY FROM 4,325 FT TO 4,385 FT.		6 RIG SERVICE												
15:15-18:15 3 Hrs SLIDE DRILL FROM 4,385 FT TO 4,414 FT.		7 RIG REPAIR		1.00										
18:15-20:00 1-3/4 Hrs ROTARY DRILL FROM 4,414 FT TO 4,448 FT.		8 SLIP & CUT DRILL LINE		5.00										
20:00-21:00 1 Hr SURVEY AND BLOW HOLE DRY.		9 DEVIATION & DIRECTIONAL SURVEYS												
21:00-24:00 3 Hrs CHAIN OUT OF HOLE. NO PROBLEMS. STEEL		10 LOGGING												
LINE MEASUREMENT. NO CORRECTION		11 RUN CASING/SET SLIPS & CUT OFF												
24:00-01:30 1-1/2 Hrs CHANGE BIT & MOTOR. ORIENTATE MOTOR.		12 CEMENTING OR SQUEEZING												
01:30-02:00 1/2 Hr RUN IN HOLE WITH DRILL COLLARS.		13 TEST CSG OR SHOE/PLG OUT CEMENT												
02:00-03:00 1 Hr CUT AND SLIP 70 FT OF DRILLING LINE.		14 WOC												
03:00-05:00 2 Hrs RUN IN HOLE.		15 NU OR ND BOP/TEST BOP/CHG RAMS												
DRILLING BREAKDOWN: SLIDE DRILLING = 5-1/2 Hrs		16 DRILL STEM TEST												
ROTARY DRILLING = 5-1/2 Hrs. SURVEY = 5 Hrs.		17 WAIT ON ORDERS - CONSULT GEOLOGIST												
		18 WAIT ON EQUIPMENT												
		19 PLUGGING BACK												
		20 FISHING/TIGHT HOLE/STUCK PIPE												
		21 DIRECTIONAL WORK/ORIENTING TOOLS												
		22 COMPLETION												
		23 WELD CASING HEAD												
		24 DRILL CMT & FLOAT EQUIPMENT												
		25 MILL WINDOW												
		TOTAL HOURS		24.00										
BIT RECORD														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS J2nd	FROM	TO	FT.	HRS	CONDITION			BIT WT	RPM
1	6-1/4	HTC	STAR-20	X37YW	OPEN	3,680'	4,448'	768'	23.25	6	6	3/32	2-10	45/110
2	6-1/4	HTC	STAR-50	V18YU	OPEN	4,448'								
HYDRAULICS AIR COMPRESSOR = 1,800 CFM. STANDPIPE PRESSURE = 420 PSI.														
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	% EFF	Ann Vel	DP	DC	Psd	P low AT SPM				
1	GD PZ8	6 X 8												
2	GD PZ7	6 X 7												
MUD PROPERTIES Mud Co. Mud Engr. Time Sample Taken														
TYPE	MW in	VIS in	PV	YP	GELS	pH	WL-API	WL-HPHT	FC	Pm	POMI	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	MW out	VIS out	FL TEMP	CALCIUM	PHPA EXCESS				
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION						
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at		" at						
DRILL STRING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF LBS	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF	3,880.89 FT	14	5.00"	2-1/4"	3-1/2" IF	22,000 LBS					
BHA LENGTH= 527.11 FT DESCRIPTION: BIT, 1-1/4 DEG MOTOR, FLOAT SUB, FIRE STOP, ORIENTATION SUB, 14 - 5 INCH DRILL COLLARS.														
DEVIATION at SEE ATTACHED at at at														
PICK UP WEIGHT 115,000 LBS		SLACK OFF WEIGHT 78,000 LBS		ROTATING WEIGHT 80,000 LBS										
				COST		DAILY		CUMULATIVE						
				MUD		2,200		13,252						
				WATER		0		387						
				DIESEL/OIL		2,083		3,658						
				TANGIBLE		0		2,837						
				RIG COST		6,000		48,360						
				INTANGIBLE		20,294		101,553						
				COMPLETION		0		0						
				TOTAL		30,577		170,047						
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42		FOREMAN: ROBERT L. HOSFIELD		AFE No.: 8331										
ROTATING HOURS ON DRILL COLLARS 23.25		LAST INSPECTION												
DAYS ON JARS SER NO.														
DAYS ON SHOCK SUB SER NO.														



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings.

WEATHER: 63 DEGREES F, 0-5 mph SOUTHEAST WIND, PARTLY CLOUDLY.

WELL NAME		DATE		RIG DAYS		FOOTAGE		DAYWORK		COMPLETION				
PRIMO NO. 1 - SIDETRACK		08/11/98		4				4						
SPUD DATE		08/07/98												
PRESENT OPERATION:				DEPTH		PROGRESS LAST 24 HRS			DAILY ROP (FT/HR)					
ROTARY DRILL AT 4,130 FT.				4,130 FT - MD		350 FT			35.90					
05:00 AM 11 AUGUST 1998				PROP TD										
5,378 FT - MD														
FORMATION		LEWIS SHALE		% SD		% SH		% LM		% DOLO				
RKB-GL		17.5 FT		GL ELE		5,925 FT								
% PYRITE		% CHERT		% ANHYDRITE		ACTIVITY				TROUBLE TIME				
SUMMARY OF DAILY OPERATIONS						1 DRILLING		9.75						
						2 REAMING OR WASHING								
						3 CORING								
05:00-05:45 3/4 Hr SURVEY AND ORIENTATE						4 CIRC & COND MUD/LOST CIRC /JET PITS								
05:45-06:15 1/2 Hr SLIDE DRIL FROM 3,780 FT TO 3,795 FT.						5 TRIPPING & PUL/D DRILL STRING		7.00						
						6 RIG SERVICE								
06:15-07:00 3/4 Hr SURVEY AND ORIENTATE						7 RIG REPAIR								
						8 SLIP & CUT DRILL LINE								
07:00-14:00 7 Hrs SLIDE DRILL FROM 3,795 FT TO 3,937 FT.						9 DEVIATION & DIRECTIONAL SURVEYS		7.25						
						10 LOGGING								
14:00-21:00 7 Hrs. CHAIN OUT OF HOLE. RE-ORIENTATE MOTOR AND UBHO SUB. SET MOTOR TO 2 DEGREES. RUN IN HOLE.						11 RUN CASING /SET SLIPS & CUT OFF								
21:00-22:30 1-1/2 Hrs RUN IN HOLE WITH STEERING TOOL. ORIENT.						12 CEMENTING OR SQUEEZING								
						13 TEST CSG OR SHOE/ DRLG OUT CEMENT								
22:30-23:45 1-1/4 Hrs SLIDE DRILL FROM 3,937 FT TO 4,001 FT.						14 WOC								
						15 MU OR ND BOP/TEST BOP/ HG RAMS								
23:45-02:15 2-1/2 Hrs SLIDE DRILL AND SURVEY FROM 4,001 FT TO 4,037 FT.						16 DRILL STEM TEST								
02:15-05:00 2-3/4 Hrs ROTATE DRILL AND SURVEY FROM 4,037 FT TO 4,130 FT.						17 WAIT ON ORDERS - CONSULT GEOLOGIST								
						18 WAIT ON EQUIPMENT								
						19 PLUGGING BACK								
						20 FISHING/TIGHT HOLE/STUCK PIPE								
						21 DIRECTIONAL WORK/ORIENTING TOOLS								
						22 COMPLETION								
DRILLING BREAKDOWN:						23 WELD CASING HEAD								
SLIDE DRILLING = 7-3/4 Hrs. ROTARY DRILLING = 2 Hrs						24 DRILL CMT & FLOAT EQUIPMENT								
SURVEY = 7-1/4 Hrs.						25 MILL WINDOW								
						TOTAL HOURS		24.00						
BIT RECORD														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 32nd	FROM	TO	FTG	HRS	CONDITION			BIT WT	RPM
1	6-1/4	HTC	STAR-20	X37YW	OPEN	3,680'	4,130'	450'	12.25	T	B	C	2 - 10	45/110
HYDRAULICS AIR COMPRESSOR = 1,800 CFM. STANDPIPE PRESSURE = 420 PSI.														
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	95% EFF	Ann Vel		Pbc		P low AT SPM				
1	GD PZ8	6 X 8			GPM	DP	DC							
2	GD PZ7	6 X 7												
MUD PROPERTIES Mud Co. Mud Engr. Time Sample Taken														
TYPE	MW m	VIS m	PV	YP	GELS	pH	WL-API	WL-HPHT	FC	Pm	PPM	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	MW out	VIS out	FL TEMP	CALCIUM	PHPA-EXCESS				
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION						
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at to		" at						
DRILL STRING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF DC	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF	3,562.89 FT	14	5.00"	2-1/4"	3-1/2" IF	22,000 LBS					
BHA LENGTH= 527.11 FT										DESCRIPTION: BIT, 1-1/2 DEG MOTOR, FLOAT SUB, FIRE STOP, ORIENTATION SUB, 14 - 5 INCH DRILL COLLARS.				
DEVIATION at SEE ATTACHED. at at at														
PICK UP WEIGHT		100,000 LBS		SLACK OFF WEIGHT		78,000 LBS		ROTATING WEIGHT		84,000 LBS				
								COST		DAILY				
								MUD		2,200				
								WATER		0				
								DIESEL/OIL		0				
								TANGBLE		0				
								RIG COST		16,835				
								INTANGIBLE		9,557				
								COMPLETION		0				
								TOTAL		28,592				
										139,470				
ROTATING HOURS ON DRILL COLLARS 12.25				LAST INSPECTION										
DAYS ON JARS SER NO														
DAYS ON SHOCK SUB SER NO														
CONTRACTOR and RIG No.:				FOREMAN:				AFE No.:						
BIG A WELL SERVICE - NO. 42				ROBERT L. HOSFIELD				8331						



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC.: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 68 DEGREES F, 0-5 mph SOUTHWEST WIND, PARTLY CLOUDLY.

WELL NAME PRIMO NO. 1 - SIDETRACK		DATE 08/10/98 SPUD DATE: 08/07/98	RIG DAYS 3	FOOTAGE	DAYWORK 3	COMPLETION								
PRESENT OPERATION CHANGE SURVEY TOOL FROM GYRO TO SINGLE SHOT. 05:00 AM 10 AUGUST 1998		DEPTH 3,780 FT - MD PROP TD 5,378 FT - MD	PROGRESS LAST 24 HRS 100 FT		DAILY ROP (FT/HR) 40.00									
FORMATION LEWIS SHALE		% SD	% SH	% LM	% DOL	RKB-GL: 17.5 FT GLE ELE 5,925 FT								
% PYRITE		% CHERT		% ANHYDRITE		TROUBLE TIME								
SUMMARY OF DAILY OPERATIONS		ACTIVITY												
05:00-06:15 1-1/4 Hrs BLOW HOLE DRY.		1 DRILLING		2.50										
06:15-08:45 2-1/2 Hrs TRI-MILL WINDOW FROM 3,665 FT TO 3,680 FT.		2 REAMING OR WASHING												
08:45-09:30 3/4 Hr DRESS WINDOW AND BLOW HOLE DRY.		3 CORING												
09:30-12:00 2-1/2 Hrs PULL OUT OF HOLE. LAY DOWN MILL ASMLY.		4 CIRC & COND MUDLOSS CIRC / NET PITS		1.25										
12:00-12:30 1/2 Hr RIG REPAIR. REPLACE HYDRAULIC HOSE		5 TRIPPING & PULD DRILL STRING		9.50										
12:30-13:00 1/2 Hr RIG SERVICE.		6 RIG SERVICE		2.25										
13:00-15:00 2 Hrs MAKE UP BOTTOM HOLE ASSEMBLY. ORIENTATE.		7 RIG REPAIR		0.50										
15:00-18:00 3 Hrs RUN IN HOLE.		8 SLIP & CUT DRILL LINE												
18:00-19:00 1 Hr WAIT ON PARTS FOR GYRO DATA CIRCULATING HEAD.		9 DEVIATION & DIRECTIONAL SURVEYS		3.75										
19:00-19:45 3/4 Hr RIG UP GYRO DATA.		10 LOGGING												
19:45-21:45 2 Hrs RUN IN HOLE WITH GYRO. ORIENTATE MOTOR.		11 RUN CASING / SET SLIPS & CUT OFF												
21:45-22:15 1/2 Hr SLIDE DRILL FROM 3,680 FT TO 3,697 FT.		12 CEMENTING OR SQUEEZING												
22:15-22:45 1/2 Hr ORIENTATE MOTOR.		13 TEST CSG OR SHOES / DRILL OUT CEMENT												
22:45-23:15 1/2 Hr SLIDE DRILL FROM 3,697 FT TO 3,717 FT.		14 WOC												
23:15-01:00 1-3/4 Hrs CHANGE ROTATING HEAD RUBBER.		15 NU OR ND BOP / TEST BOP / CHG RAMS												
01:00-01:30 1/2 Hr SURVEY.		16 DRILL STEM TEST												
01:30-02:15 3/4 Hr SLIDE DRILL FROM 3,717 FT TO 3,749 FT.		17 WAIT ON ORDERS - CONSULT GEOLOGIST												
02:15-02:45 1/2 Hr SURVEY.		18 WAIT ON EQUIPMENT		1.00										
02:45-03:00 1/4 Hr SLIDE DRILL FROM 3,749 FT TO 3,765 FT.		19 PLUGGING BACK												
03:00-03:15 1/4 Hr CHECK SURVEY.		20 FISHING TIGHT HOLE / STUCK PIPE												
03:15-03:45 1/2 Hr SLIDE DRILL FROM 3,765 FT TO 3,780 FT.		21 DIRECTIONAL WORK / ORIENTING TOOLS												
03:45-04:15 1/2 Hr SURVEY.		22 COMPLETION												
04:15-05:00 3/4 Hr CHANGE SURVEY TOOL FROM GYRO TO SINGLE		23 WELD CASING HEAD												
BIT RECORD SHOT.		24 DRILL CMT & FLOAT EQUIPMENT		3.25										
		25 MILL WINDOW		24.00										
		TOTAL HOURS												
BIT RECORD SHOT.														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 2nd	FROM	TO	FIG	HR	CONDITION			BIT WT	RPM
1	6-1/4	HTC	STAR-20	X37YW	OPEN	3,680'	3,780'	100'	2.50	I	B		2 - 4	110
HYDRAULICS AIR COMPRESSOR = 1,800 CFM. STANDPIPE PRESSURE = 420 PSI														
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	PSI EFF	QPM	Asm Vel	DP	DC	Pie	P low AT SPM			
1	GD PZ8	6 X 8												
2	GD PZ7	6 X 7												
MUD PROPERTIES Mud Co. Mud Engr. Time Sample Taken														
TYPE	MW m	VIS m	PV	YP	GELS	pH	WL API	WL HPHT	FC	Pm	PPM	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MB	MW out	VIS out	F L TEMP	CALCIUM	PHPA EXCESS				
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION						
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at		to " at						
DRILL SIKING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF DC	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF	3,212.89 FT	14	5.00"	2-1/4"	3-1/2" IF	22,000 LBS					
BHA LENGTH= 527.11 FT DESCRIPTION: BIT, 1-1/2 DEG MOTOR, FLOAT SUB, FIRE STOP, ORIENTATION SUB, 14 - 5 INCH DRILL COLLARS.														
DEVIATION at SEE ATTACHED at at at														
PICK UP WEIGHT		SLACK OFF WEIGHT		ROTATING WEIGHT										
				COST		DAILY		CUMULATIVE						
				MUD		2,200		8,852						
				WATER		0		387						
				DIESEL/OIL		0		1575						
				TANGIBLE		0		2,837						
				RIG COST		6,000		25,525						
				INTANGIBLE		41,311		71,702						
				COMPLETION		0		0						
				TOTAL		49,511		110,878						
ROTATING HOURS ON DRILL COLLARS 2.50		LAST INSPECTION												
DAYS ON JARS SER NO.														
DAYS ON SHOCK SUB SER NO.														
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42		FOREMAN: ROBERT L. HOSFIELD		AFF No.: 8331										

SAFETY: No ACC.: No NEAR MISS

DETAILS: All crews held safety meetings

WEATHER: 62 DEGREES F, 0-5 mph SOUTHWEST WIND, PARTLY CLOUDLY

WELL NAME: PRIMO NO. 1 - SIDETRACK		DATE 08/09/98 SPUD DATE 08/07/98	RIG DAYS 2	FOOTAGE	DAYWORK 2	COMPLETION								
PRESENT OPERATION: BREAK CIRCULATION AND BLOW HOLE DRY. 05:00 AM 09 AUGUST 1998			DEPTH 3,678 FT PROP TD 5,378 FT - MD	PROGRESS LAST 24 HRS MILLING	DAILY ROP (FT/Hr)									
FORMATION		% SD	% SH	% LM	% DOLG	RKB-GL 17.5 FT GLELE 5,925 FT								
% PYRITE			% CHERT	% ANHYDRITE		TROUBLE TIME								
SUMMARY OF DAILY OPERATIONS			ACTIVITY											
05:00-08:00 3 Hrs CHAIN OUT OF HOLE. DRIFT DRILL COLLARS, OK.			1 DRILLING - MILLING		2.50									
08:00-10:00 2 Hrs CHECK WHIPSTOCK ORIENTATION. 150 DEGREES OUT OF PHASE.			2 REAMING OR WASHING											
10:00-11:30 1-1/2 Hrs RUN IN HOLE WITH DRILL COLLARS.			3 CORING											
11:30-12:00 1/2 Hr RUN GYRO IN DRILL COLLARS. NO PROBLEMS.			4 CIRC & COND MUD/LOST CIRC /JET PITS		0.50									
12:00-12:30 1/2 Hr PULL OUT OF HOLE WITH DRILL COLLARS.			5 TRIPPING & PULD DRILL STRING		12.00									
12:30-13:30 1 Hr CHECK WHIPSTOCK ORIENTATION.			6 RIG SERVICE											
13:30-16:00 2-1/2 Hrs RIG UP BLUE JET. SET CAST IRON BRIDGE PLUG AT 3,686 FT. TEST TO 1,000 PSI FOR 10 MINUTES, OKAY.			7 RIG REPAIR		1.50									
16:00-17:00 1 Hr MAKE UP NEW WHIPSTOCK.			8 SLIP & CUT DRILL LINE											
17:00-18:30 1-1/2 Hrs RUN IN HOLE.			9 DEVIATION & DIRECTIONAL SURVEYS											
18:30-20:00 1-1/2 Hrs RIG REPAIR. HYDRAULIC HOSE.			10 LOGGING											
20:00-21:00 1 Hr RUN IN HOLE.			11 RUN CASING SET SLIPS & CUT OFF											
21:00-22:30 1-1/2 Hrs ORIENTATE AND SET WHIPSTOCK AT 3,666 FT TO 3,678 FT. ORIENTATED AT 263.7 DEGREES.			12 CEMENTING OR SQUEEZING											
22:30-01:00 2-1/2 Hrs MILL CASING WITH STARTER MILL FROM 3,666 FT TO 3,668 FT.			13 TEST CSG OR SHOW DRUG OUT CEMENT											
01:00-04:30 3-1/2 Hrs TRIP FOR TRI-MILL ASSEMBLY.			14 WOC											
04:30-05:00 1/2 Hr BREAK CIRCULATION AND BLOW HOLE DRY.			15 NU OR ND BOP/TEST BOP/ HG RAMS											
			16 DRILL STEM TEST											
			17 WAIT ON ORDERS - CONSULT GEOLOGIST											
			18 WAIT ON EQUIPMENT											
			19 PLUGGING BACK											
			20 FISHING/TIGHT HOLE/STUCK PIPE											
			21 DIRECTIONAL WORK/ORIENTING TOOLS		5.00									
			22 COMPLETION											
			23 WELD CASING HEAD											
			24 DRILL CMT & FLOAT EQUIPMENT											
			25 WIRELINE - SET BRIDGE PLUG		2.50									
			TOTAL HOURS		24.00									
BIT RECORD														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS Used	FROM	TO	FTG	HRS	CONDITION			BIT WT	RPM
										T	B	C		
HYDRAULICS														
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	95% EFF	GPM	Ann Vel			Psd		P low AT SPM		
1	GD PZ8	6 X 8					UP	DC						
2	GD PZ7	6 X 7												
MUD PROPERTIES														
Mud Co.		Mud Engr.		Time Sample Taken										
TYPE	MW in	VIS in	PV	YP	GELS	pH	WL-API	WL-HPH	FC	Pm	PPM	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	NW out	VIS out	FL TEMP		CALCIUM		PHPA EXCESS		
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER		PRODUCTION						
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at to		" at						
DRILL STRING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF DC	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF	3,178.93 FT	14	5.00"	2-1/4"	3-1/2" IF	22,000 LBS					
BHA LENGTH= 449.07 FT DESCRIPTION: TRI-MILL, 1-5" DRILL COLLAR, FLOAT SUB, 13-5" DRILL COLLARS.														
DEVIATION														
at at at at														
PICK UP WEIGHT				SLACK OFF WEIGHT				ROTATING WEIGHT						
								COST		DAILY		CUMULATIVE		
ROTATING HOURS ON DRILL COLLARS 2.50				LAST INSPECTION				MUD		1,491		6,652		
DAYS ON JARS SER NO								WATER		0		387		
DAYS ON SHOCK SUB SER NO								DIESEL OIL		0		1575		
								TANGIBLE		0		2,837		
								RIG COST		6,000		19,525		
								INTANGIBLE		6,528		30,391		
								COMPLETION		0		0		
								TOTAL		14,019		61,367		
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42				FOREMAN: ROBERT L. HOSFIELD BRETT W. THOMPSON				AFE No : 8331						



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings.

WEATHER: 65 DEGREES F, CALM, PARTLY CLOUDLY.

WELL NAME PRIMO NO. 1 - SIDETRACK		DATE 08/08/98 SPUD DATE 08/07/98	RIG DAYS 1	FOOTAGE	DAYWORK 1	COMPLETION								
PRESENT OPERATION PULL OUT OF HOLE WITH STARTER MILL. 05:00 AM 08 AUGUST 1998		DEPTH PROP TD 5,378 FT - MD		PROGRESS LAST 24 HRS		DAILY ROP (FT/HR)								
FORMATION:		% SD	% SH	% LM	% DOLO	RKB-GL 17.5 FT GL ELE 5,925 FT								
% PYRITE		% CHERT		% ANHYDRITE										
SUMMARY OF DAILY OPERATIONS		ACTIVITY				TROUBLE TIME								
		1 DRILLING												
		2 REAMING OR WASHING												
		3 CORING												
0500-0930 4.5 Hrs TEST BOP AND CHOKE MANIFOLD TO 250 & 2000 PSI		4 CIRC & COND MUD/LOST CIRC /JET PITS												
0930-1000 1/2 Hr STRAP 14 DC's		5 TRIPPING & PULD DRILL STRING		11.50										
		6 RIG SERVICE		1.50										
		7 RIG REPAIR		1.50										
1000-1200 2 Hrs PU & MU WHIPSTOCK & STARTER MILL ORIENTATE SAME.		8 SLIP & CUT DRILL LINE												
1200-1330 1-1/2 Hrs CHANGE WEIGHT INDICATOR AND PUMP GAGE. RIG UP YELLOW DOG		9 DEVIATION & DIRECTIONAL SURVEYS												
1330-1600 2-1/2 Hrs PICK UP DRILL COLLARS AND DRILL PIPE		10 LOGGING												
		11 RUN CASING /SET SLIPS & CUT OFF												
1600-1730 1-1/2 Hrs RIG REPAIR. LIGHT PLANT MOTOR		12 CEMENTING OR SQUEEZING												
		13 TEST CSG OR SHO/ DRUG OUT CEMENT												
1730-2330 6 Hrs PICK UP DRILL PIPE RUN IN HOLE TO 3,706'		14 WOC												
		15 MU OR ND BOP/TEST BOP/CHG RAMS												
2330-04:30 5 Hrs RIG UP GYRO DATA. GYRO SURVEY WELL BORE. ORIENTATE AND SET WHIPSTOCK AT 3,709 FT. FOOTAGE COUNTER OFF. RE-SET COUNTER AND LOG OUT OF HOLE. COUNTER OFF SAME AMOUNT. TATTLE TAIL INDICATOR ON MULE SHOE NOT BROKEN.		16 DRILL STEM TEST												
		17 WAIT ON ORDERS - CONSULT GEOLOGIST												
		18 WAIT ON EQUIPMENT												
		19 PLUGGING BACK												
		20 FISHING/TIGHT HOLE/STUCK PIPE												
		21 DIRECTIONAL WORK/ORIENTING TOOLS		5.00										
		22 COMPLETION												
04:30-05:00 1/2 Hr PULL OUT OF HOLE WITH STARTER MILL TO DETERMINE REASON FOR DEPTH DIFFERENCE ON FOOTAGE COUNTER.		23 WELD CASING HEAD												
		24 DRILL CMT & FLOAT EQUIPMENT												
		25 TEST BOP		4.50										
		TOTAL HOURS		24.00										
BIT RECORD														
BIT NO	SIZE	MFG	TYPE	SERIAL NO	JETS 12nd	FROM	TO	FTG	HRS	CONDITION			BIT WT	RPM
										T	B	C		
HYDRAULICS														
PUMP NO	MAKE/MODEL	SIZE	SPM	PRESSURE	95% EFF	Ann Vel		Pos		P low AT SPM				
1	GD PZ8	6 X 8				DP	DC							
2	GD PZ7	6 X 7												
MUD PROPERTIES														
Mud Co.		Mud Engr.		Time Sample Taken										
TYPE	MW m	VIS m	PV	YP	GELS	pH	WL-API	WL-HPHT	FC	Pm	PBMt	XS LIME	CHLORIDES	
AIR														
% SAND	% SOLIDS	% OIL	% WATER	ELEC STAB	MBC	MW out	VIS out	F L TEMP	CALCIUM	PHPA-EXCESS				
CASING														
CONDUCTOR		SURFACE		PROTECTION		LINER				PRODUCTION				
"at		10-3/4" at 214 ft		7 " at 4,353 ft		" at to				" at				
DRILL STRING														
DP SIZE	WEIGHT	GRADE	CONN	LENGTH	NO OF DC	OD	ID	CONN	BHA WEIGHT					
3-1/2"	13.30	E	3-1/2" IF			5.00"	2-1/4"	3-1/2" IF						
BHA LENGTH- DESCRIPTION:														
DEVIATION at at at at														
PICK UP WEIGHT		SLACK OFF WEIGHT				ROTATING WEIGHT								
						COST		DAILY		CUMULATIVE				
						MUD		2361		5161				
						WATER		274		387				
						DIESEL/OIL		1575		1575				
						TANGIBLE		0		2,837				
						RIG COST		6000		13525				
						INTANGIBLE		22199		23863				
						COMPLETION		0		0				
						TOTAL		32,409		47,348				
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42		FOREMAN: ROBERT L. HOSFIELD BRETT W. THOMPSON				AFE No.: 8331								
ROTATING HOURS ON DRILL COLLARS		LAST INSPECTION												
DAYS ON JARS SER. NO.														
DAYS ON SHOCK SUB SER. NO.														



CONOCO, INC.
MIDLAND DIVISION

SAFETY: No ACC: No NEAR MISS

DETAILS: All crews held safety meetings.

WEATHER: 65 DEGREES F, CALM, PARTLY CLOUDLY.

WELL NAME: PRIMO NO. 1 - SIDETRACK		DATE: 08/07/98 SPUD DATE:		RIG DAYS: RIG MOVE		FOOTAGE:		DAYWORK: RIG MOVE		COMPLETION:																		
PRESENT OPERATION: TEST BOP EQUIPMENT. 05:00 AM 07 AUGUST 1998				DEPTH: PROP TD: 5,378 FT - MD		PROGRESS LAST 24 HRS:			DAILY ROP (FT/HR)																			
FORMATION:						% SD		% SH		% LM		% DOLO		RKB-GL: 17.5 FT		GL ELE 5,925 FT												
% PYRITE						% CHERT						% ANHYDRITE						ACTIVITY		TROUBLE TIME								
SUMMARY OF DAILY OPERATIONS														1 DRILLING														
														2 REAMING OR WASHING														
05:00-10:00 5 Hrs RIG DOWN & MOVE RIG.														3 CORING														
10:00-21:00 11 Hrs MOVE RIG AND RIG UP DRILLING EQUIPMENT.														4 CIRC. & COND MUD/LOST CIRC /SET PITS														
														5 TRIPPING & PULD DRILL STRING		2.00												
21:00-23:00 2 Hrs DRILL MOUSE HOLE & RAT HOLE WITH AIR.														6 RIG SERVICE														
														7 RIG REPAIR														
23:00-01:00 2 Hrs CHANGE OUT KELLY.														8 SLIP & CUT DRILL LINE														
														9 DEVIATION & DIRECTIONAL SURVEYS														
01:00-04:30 3-1/2 Hrs NIPPLE UP BOP EQUIPMENT.														10 LOGGING														
														11 RUN CASING /SET SLIPS & CUT OFF														
04:30-05:00 1/2 Hr TEST BOP EQUIPMENT WITH WILSON TESTERS.														12 CEMENTING OR SQUEEZING														
														13 TEST CSG OR SHOE/ DRUG OUT CEMENT														
														14 WOC														
														15 NU OR ND BOP/TEST BOPCHQ RAMS		4.00												
														16 DRILL STEM TEST														
														17 WAIT ON ORDERS - CONSULT GEOLOGIST														
														18 WAIT ON EQUIPMENT														
														19 PLUGGING BACK														
														20 FISHING/TIGHT HOLE/STUCK PIPE														
														21 DIRECTIONAL WORK/ORIENTING TOOLS														
														22 DRILL MOUSE/RAT HOLE		2.00												
														23 WELD CASING HEAD														
														24 DRILL CMT & FLOAT EQUIPMENT														
														25 RIG MOVE		16.00												
														TOTAL HOURS		24.00												
BIT RECORD																												
BIT NO.		SIZE		MFG		TYPE		SERIAL NO		JETS- 12in		FROM		TO		FTG		HRS		CONDITION			BIT WT		RPM			
																				T			B			G		
HYDRAULICS																												
PUMP NO		MAKE/MODEL				SIZE		SPM		PRESSURE		95% EFF		Ann Val		DP		DC		Pwt		P low AT SPM						
1		GD P28				6 X 8						GPM																
2		GD P27				6 X 7																						
MUD PROPERTIES																												
Mud Co.		Mud Engr.		Time Sample Taken																								
TYPE		MW in		VIS in		PV		YP		GELS		pH		WL-API		WL-HPHT		FC		Pm		PDM		XS LIME		CHLORIDES		
AIR																												
% SAND		% SOLIDS		% OIL		% WATER		ELEC STAB		MBC		MW out		VIS out		F L TEMP		CALCIUM		PHPA EXCESS								
CASINO																												
CONDUCTOR		SURFACE				PROTECTION				LINER				PRODUCTION														
"at		10-3/4" at 214 ft				7 "at 4,353 ft				" at				to				" at										
DRILL STRING																												
DP SIZE		WEIGHT		GRADE		CONN		LENGTH		NO OF DC		OD		ID		CONN		BHA WEIGHT										
3-1/2"		13.30		E		3-1/2" IF						5.00"		2-1/4"		3-1/2" IF												
BHA LENGTH-																												
DESCRIPTION:																												
DEVIATION																												
at at at at																												
PICK UP WEIGHT				SLACK OFF WEIGHT				ROTATING WEIGHT																				
								COST		DAILY		CUMULATIVE																
								MUD		1,400		2,800																
								WATER		113		113																
								DIESEL/OIL		0		0																
								TANGIBLE		0		2,837																
								RIG COST		2,425		7,525																
								INTANGIBLE		720		1,664																
								COMPLETION		0		0																
								TOTAL		4,658		14,939																
CONTRACTOR and RIG No.: BIG A WELL SERVICE - NO. 42						FOREMAN: ROBERT L. HOSFIELD						AFE No.: 8331																
ROTATING HOURS ON DRILL COLLARS						LAST INSPECTION																						
DAYS ON JARS SER. NO.																												
DAYS ON SHOCK SUB. SER. NO.																												