Form 3160-5 (April 2004)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OM B No 1004-0137
Expires. March 31, 2007

	Expires.	March	31, 200
Lease Seria	l No		

DUKEAU OF LAND MANAGEMENT	5. Lease Serial No.
SUNDRY NOTICES AND REPORTS ON WELLS	IMDA 751-05-1025, Tract C
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.	6. If Indian, Allottee or Tribe Name Ute Mountain Ute
SUBMIT IN TRIPLICATE- Other instructions on reverse side.  1. Type of Well	7. If Unit or CA/Agreement, Name and/or No.  NA
Oil Well Gas Well Other	8. Well Name and No.
2 Name of Operator Elk San Juan, Inc.	Ute Mountain Tribal 21D  9 API Well No.
3a. Address       3b. Phone No (include area code)         1401 17th Street, Suite 700, Denver, Colorado, 80202       303-296-4505	3004534113  10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Basin Dakota
J: 1700' FSL, 1645' FEL, Section 21-T31N-R14W	11. County or Parish, State  San Juan County, NM
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE	E. REPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTIO	
Notice of Intent  Alter Casing  Fracture Treat  Reclama  Subsequent Report  Casing Repair  New Construction  Recomp	lete Other Set Intermediate unity Abandon Casing - Lovise i
testing has been completed Final Abandonment Notices shall be filed only after all requirements, including determined that the site is ready for final inspection.)  Elk drilled a 6 1/4" hole to 1825'. Picked up an 8 3/4" bit and reamed 6 1/4" hole to 8 3/4 to 3/22/08, cemented easing with 147 sx 65/35 STD Poz w/ 6% gel, 5 pps gilsonite, 1/4 pps super 100 sx Std Poz with 2% CaCl <sup>2</sup> , 5 pps gilsonite and 1/4 pps superflake mixed @ 15.2 ppg with Cement circulated to pit. Rig down and released surface rig on 3/22/08. Shut well in and wa copies of the cementing report and copies of daily drilling reports from spud to present.	1825'. Set 23#, J-55, LT&C csg @ 1825'. On flake mixed @ 12.3 ppg w/ 1.94 yield, followed by 1.27 yield, bumped plug @ 1500#, float held ok.
	RCVD MAY 1 '08
	OIL CONS. DIV.
Report casing size	DIST. 3
14 Thereby certify that the foregoing is true and correct Name (Printed/Typed)	
Karin Kulin Title Sr. Engineering	Technician
Signature Date	04/25/2008
THIS SPACE FOR FEDERAL OR STATE OFF	ICE USE
Approved by Trtle	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and wi States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Ilfully to make to any department or agency of the United

(Instructions on page 2)

**\$** 

NO BEM Stamp.

W

## CEMENT JOB SUMMARY SHEET

Job Type	7" Intermediate								
Casing Conductor	Size	Weight	Thread 8rd	Grade	Depth				
Surface	9 5/8"	36#	8rd	<i>J-55</i>	141				
Intermediate Production Drill Pipe/Tbg	7"	23#	8rd 8rd	J-55	1,822				
Open Hole	8 3/4"	N/A	N/A	N/A	1825				
		CEMEI	NT INFORMAT	<b>TION</b>	,				
Spacer Bbls	5/10/5		Spacer Type	H20/DUST	FLUSH/H20				
Cement 1 Additives	65/35/STD/P 6% Gel + 5# Gi		1/4# Superflake		147	Sacks			
	Weight (lb/gal)	12.30	Yield (cuft/sk)	1.94	Water (gal/sk)	10.32			
Cement 2 Additives	<b>STD</b> 2% C.C. + 5# G	ilsonite +	100	Sacks					
	Weight (lb/gal) 1	15.20	1.27	Water (gal/sk)	5.25				
Cement 3 Additives						Sacks			
	Weight (lb/gal)		Yīeld (cuft/sk)		Water (gal/sk)				
Cement 4 Additives						Sacks			
	Weight (lb/gal)		Yield (cuft/sk)		Water (gal/sk)				
Displacement	t H20 8.33 (lb/gal)								
	CE	MENTI	NG EQUIPME	NT					
Provider	SUPERIOR WE	LLS SER	VICE	- · · · ·		<u>.</u>			
Guide Shoe	e	a.	Centralizers		ea.				
Float Shoe	e	a.	Turbos		ea.				
Float Collar	е	a.	Stop Ring		ea.				
Insert Float	е	a.	Threadlock		ea.				

ELK RESOURCES

**UTE MOUNTAIN TRIBAL #21-D** 

36-000841-00

**Customer Information** 

Customer Name ELK RESOURCES

City KIRTLAND

State NM

Witness(es) MIKE CONFER

Lease Information

Lease Name UTE MOUNTAIN TRIBAL #21-D

Lease Information D&D DRILLING
County SAN JUAN

State NM

Well Information

Casing Size 7"
Casing Weight 23#
Casing Connection 8rd
Hole Size 8 3/4"
Calculated Annular Excess % 50%

Retainer

T.D. 1825 Casing Length 1822 Shoe Joint 43' Float Collar 1779' Calculated T.O.C. SURFACE **Previous Casing Depth** 131' Previous Casing Size 9 5/8" Previous Casing Weight 32.3#

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Call-Out Information** 

Job Type 7" INTERMEDIATE
Service Center(s) FARMINGTON
Bulk Location(s) FARMINGTON
Supervisor(s) LEONARD CLITSO

 Pumping Equipment
 0448

 Bulk Equipment
 0285

 Time Called Out
 08:00AM

 Time On Location
 10:00AM

 Planned Time of Job
 10:00AM

Weather Conditions CLEAR WARM AND WINDY

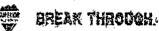
{1} Intermediate Casing - Job Log

Comment CASING-ps PUMP DENSITY-p SLRY VOL SLRY VOL i RATE-bpm pg STG-bbis TOT-bbis

Saturday, March 22, 2008

2 of 6

@ Superior Well Services



36-000841-00

ELK RESC	DURCES		UTE M	OUNTAIN T	RIBAL #21-E	
	Comment	CASING-ps	PUMP RATE-bpm		SLRY VOL	SLRY VOL. TOT-bbls
13:11:14	Start	2955	0.0	8.40	0.0	0.0
	Recording					
13:12:14	Rate Check	0	0.0	8.40	0.0	0.0
13:13:14	pump fresh	•	3.2	8.37	1,1	1.1
	water					
13:14:14	Rate Check	111	3.8	8.34	4.5	4.5
13:16:14	pump dust	86	3.2	8.15	1.8	11.2
	flush					
13:17:14	pump dust flush	86	3.2	9.78	5.0	14.4
13:18:14	Rate Check	82	3.2	12.88	8.2	17.6
13:19:14	Start Stage	<b>3</b> 7	3.2	12.87	0.1	20.8
13:20:14	Rate Check	64	3.2	12.87	3.3	24.0
13:21:14	pump lead cement	127	4.0	12.55	1.7	27.3
13:22:14	Rate Check	115	3.9	12.17	5.6	31,2
13:23:14	Rate Check	115	3.9	12.16	9.4	35.1
13:24:14	Rate Check	119	3.9	12.27	13,3	39.0
13:25:14	Rate Check	122	3.9	12.30	17.2	42.8
13:26:14	Rate Check	121	3.9	12.27	21.1	46.7
13:27:14	Rate Check	124	3,9	12.34	25,0	50.6
13:28:14	Rate Check		3.9	12.27	28.9	54.5
13:30:14	Rate Check		3.9	12.23	36.6	62.3
13:32:14	Rate Check		3.9	12.22	44.4	70.0
13:34:14	pump tail cement	132	3.2	15.53	1.3	77.2
13:35:14	pump tall cement	140	3.5	15.26	4.6	80.5
13:36:14	Rate Check	134	3.5	15.12	8.0	84.0
13:37:14	Rate Check		3.5	15.23	11.5	87.4
13:38:14	Rate Check	145	3,4	15.49	14.9	90.9
13:40:14	Rate Check	123	3.3	15.49	21.7	97,6
13:41:14	shut down drop plu	-8	0.0	-0.01	0.0	100.1
13:42:14	Rate Check	-20	0.0	8.51	0.0	100.1
13:43:14	displaceme	137	5,0	8.50	1,4	101.5
13:44:14	nt Rate Check	90	2 0	0.47	<b>~ ^</b>	400.4
13:44:14	Rate Check			8.47 8.47	6.0	106.1
13:45:14	Rate Check				9.9	109.9
13:48:14	Rate Check			8.45 8.47	13.8	113.8
13:50:14	Rate Check				21.5 29.3	121.6
13:52:14	Rate Check				29.3 37.0	129.3 137.1
13:54:14	Rate Check				44.8	144.9
13:56:14	Rate Check				<del>5</del> 2.2	152.3
13:58:14	Rate Check				57.0	157.1
14:00:14	Rate Check				61.9	161.9
14:02:14	Rate Check				66.3	166.4
14:04:14	Start Stage -					0.0

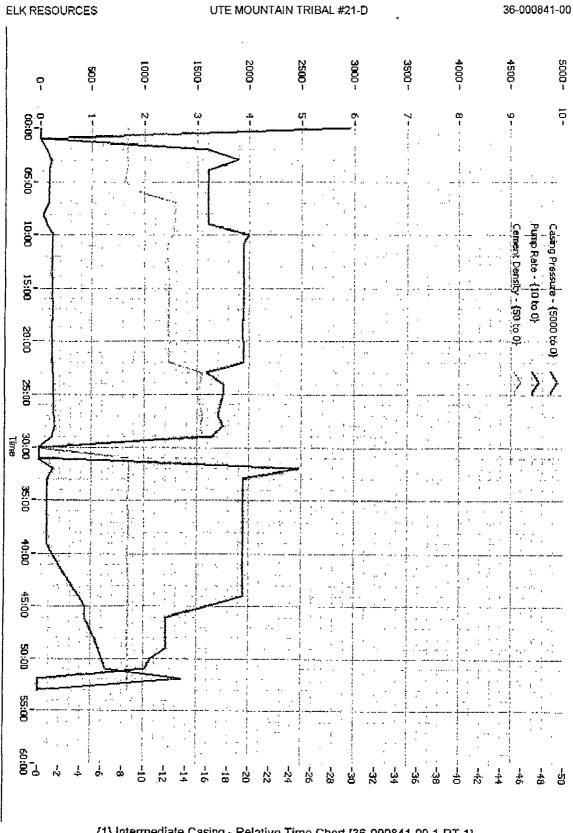
**ELK RESOURCES** 

UTE MOUNTAIN TRIBAL #21-D

36-000841-00

{1} Intermediate Casing - Units

Casing PressureCASING-psipsiPump RatePUMP RATE-bpmbpmCement DensityDENSITY-ppgppgSlurry Fluid Volume StageSLRY VOL STG-bblsbblSlurry Fluid Volume JobSLRY VOL TOT-bblsbbl



{1} Intermediate Casing - Relative Time Chart [36-000841-00-1-RT-1]

Saturday, March 22, 2008

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**ELK RESOURCES** 

**UTE MOUNTAIN TRIBAL #21-D** 

36-000841-00

**Post Job Summary** 

Pressure Test Initial Circulating Rate Initial Circulating Pressure

Lead Slurry Sacks

3250psi 2bpm

80psi

140sks 65/35 std poz 6% Gel + 5# Gilsonite + 1/4#

Lead Slurry Volume Tail Slurry Sacks

Tail Slurry Volume

First Stage Displacement Second Stage Displacement

Cmt Circulated 1st Stg

Cmt Circulated 2nd Stg Average Displacement Rate

Final Circulating Rate Final Circulating Pressure Plug Bumped?

Pressure When Plug Bumped

DV Tool Opened @ DV Tool Closed @

Floats Hold?

Superflake

50.8 bbls mixed @ 12.3# 1.94yield 10.32WR 100sks Std 2% C.C. + 5# Gilsonite + 1/4# Superflake

22.6 bbls mixed @15.2# 1.27yield 5.25WR 71.6bbls

18bbls

2bpm

700psi yes 1500psi

yes

04/20/2000 MUIT	FRC D	MOBESURERIOR	SUPERIOR					
COMPANY COMPANY REP. CONTRACTOR LEASE API NO. R/T MILEAGE	Elk Resources Mike Confer D&D Drilling Ute Mountain Tribal	DATE CO. REP. TELE. # TOWN/STATE WELL NO. COUNTY SUPERVISOR	March 22, 2008 505,330,2202 NM #21-D San Juan Leonard Clitso					
From Kirtland north at light to just past the waste dump turn left and go 8 miles on the main rd. Go .5 mile past the haul road and turn left. Then follow the rig signs to loc.								

English Albert Carter Carrier	SIZE		WEIGHT	CHINEDRAY	THREA		GRADE		DEPTH
CONDUCTOR:	<b>VILL</b>		11210111		8rd	_			מבו וווי
SURFACE:	9 5/8"		36#	•	8rd	<del></del> -	J-55	_	141
INTERMEDIATE:	7"		23#		8rd		J-55		1822
PRODUCTION:					8rd			<b></b>	
DRILLPIPE/TBG:								-	
OPEN HOLE:	8 3/4"		ELL FLUID.			DISP FLUID:	H20	<del></del>	1825
					4575 (1997)				
CONDUCTOR			SQUEEZE			ACID SPOT		_	
SURFACE			PLUGBACK			REAKDOWN		<b>-</b>	
INTERMEDIATE	<u>XXXXXX</u>	KICI	(OFF PLUG			CID DUMPS		-	
LONGSTRING	7" Interme	diata	PTA			MISC PUMP	·	_	
	17 19 60 125 27	5/10/5							
PREFLUSH:BBLS	SACKS			PREFLUSE 65/35/S			FLUSH/HZ		Min 1720
		6% Gel -	5# Gilson	ito + 1/4#	Suportia	50.8	Cmt Bbls	36.1	Mix H20
	MIXED AT		LBS/GAL	YIELD	1.94	WATER	10.32	GAL/SK	
=									
TAIL	- פאטאפ - פאטאפ	20/ 6 6	TYPE + 5# Gilsor	3 t	D Supper	22.6	Cmt Bbls	12.5	Mix H20
^	MIXED AT	15.2	LBS/GAL	YIELD	1.27	WATER	E 25	CALICI	
	WILLO AT	13.2	LOSIGAL		1.21	WATER	5.25	_GAL/\$K	
	SACKS		TYPE						
Α	DOITIVES		_						
_	MIXED AT		LBS/GAL	YIELD		WATER		GAL/SK	
•	SACKS		TYPE						
А	DOITIVES		_ ''''	_,	· · · · · · · · · · · · · · · · · · ·		<del></del>		
	MIXED AT		LBS/GAL	YIELD		WATER		GAL/SK	
ACID	GALS		TYPE						
	DDITIVES		_ 1175.	·			•	······································	
	00111460								
F	GALS		TYPE			· • • • • • • • • • • • • • • • • • • •			
A	DDITIVES		· · · · · · · · · · · · · · · · · · ·						
			-					·	
									P-10/MV-
the same of the same of	<b>《图影》和</b>	Topalay view	<b>EREWARKS</b>	CONTRACTOR				M. Greek (Strategy Strategy	a district of the state

Take cement head and a rubber plug.

	GUIDE SHOE FLOAT SHOE	OPTO ECDIPATENT TYPE TYPE	
CASING SIZE: 7" THREAD:	FLOAT COLLAR STAGE TOOL CENTRALIZERS	TYPE TYPE TYPE	PINS
REMARKS	TURBOS INSERT FLOAT	TYPE STOP RIN	
CALL TAKEN BY L ORDERED BY M REVIEWED BY L % DISCOUNT 6 JOB NUMBER 8	Litso 0%	DATE/TIME OF CALL TIME READY CREW FROM MATERIALS FROM	3/21/2008 3/22/2008 on loc@ 10:00AM Farmington Farmington



Report Date	3/8/08
Report Number	1

Well	UMT 21D	Lo-					_	County N		
Operation Days Depth at report time			ud date and t im hrs drilling	me			-	County, No	rvi	
Present operation	MIF	RU D & D services Rig		pud			KB	Сроп		5
, , , , , , , , , , , , , , , , , , , ,	TIME				SURVE	,		DRILL	STRING	
f				3 [						7
Drilling	Hrs		Hrs	Deptr	Angle	٦٥	String Wt WOB			M/lbs
Survey	Hrs		Hrs	<b>∏</b>	l	Deg	Drag UP		ļ	M/lbs M/lbs
Rig Service Trip	Hrs	_	— Hrs Hrs	//		Deg.	Drag Dow	_		M/lbs
W&R	Hrs	******	Hrs	111	<del> </del>	Deg. Deg.	Max Pull	11	<del></del>	M/lbs
C&C	Hrs		Hrs			Deg.	Rot. Torqu	10	<del></del>	M/lbs
Rig Repairs	Hrs		Hrs		l	Deg.	RPM (RT/			141/103
LD\PU Tools	Hrs		Hrs			Deg.	Air	•••••	<u> </u>	СЕМ
move rig	9.75 Hrs		Hrs			Deg.	Press			PSI
incre ng	Total today	9.7	75 Hrs			Deg.	Dp			Jts
	· · · · · · · · · · · · · · · · · · ·	MI	UD PROPER	TIES					·	
Weight		Gel Streng		Cake Thi	cknoss			Calcium	· · · · · · · · · · · · · · · · · · ·	
Funnel Vis		PH		Alkalinity		<b></b> -		Sand Cont	•	
Plastic Vis		Filtrate AP		Alkalinity		<del></del>		Solids Cor		
Yield Point		API HT-HF		Chloride				Water Con		
Drling Bit	Serial				Depth	Depth	Footage		Feet per	
Number	Number	Size Make	Jets	Туре	!n	out	Drilled	Hrs	hour	
1				<u> </u>						1
2	<del></del>								<u> </u>	1
3									1	1
Pump # 1		Liner	Stroke (in)		GPM		SPM		Pressure	
Pump # 2		Liner	Stroke (in)		GPM		SPM		Pressure	
Geol. ( ), Mud logger ( ) Re			Show #	De	oth	Dri	II Rate	G	as	
Backgroun										
Connectio										
•	rip Gas									
			COST	· · · · · · · · · · · · · · · · · · ·			<del></del>			
- retion Bond & BOW!			**	Come T	C			····	¢0	
ocation, Road & ROW's  It liner, Fence			\$0 \$0	Camp, To Mud logg	-				\$0 \$0	
Day work Contract			\$0	Cement S	•	-		•	\$0	
ur rig (drill surf)			\$0	Abandon		-			\$0	
Mobilization		<del></del>	\$0	Materials		es -		-	\$0	
Air			\$0	Will Head		-		•	\$0	- 1
 Supervision		\$800	\$800	BOP Tes		-		-	\$0	
Contract Labor			\$0			-		•	\$0	
ransportation & Hauling			\$0			-		-	\$0	1
Rental Equipment		\$25	\$25			_		_	\$0	ĺ
uel		<del></del>	\$0	Surface C	-	_		_	\$0	İ
Vater ·		\$1,500	\$1,500	Conducto		_		_	\$0	ļ
rilling Mud & Chemicals			\$0	Intermedi	_	_		_	\$0	J
nts			\$0	Wellhead		_		_	\$0	j
ogging (open Hole)			\$0	Other Tar	_	_		_	\$0	İ
lud Motor, Down Hale Too	nt		\$0	Other Inta	ingible	_		_	\$0	ł
		44	\$0	<b>-</b>				_	\$0	J
otal Daily Cost		\$2,325	\$2,325	Cum Cos	ts		\$0		\$2,325	
ONSTRUCTION Supervis	sor M.A.	Confer		Reported	ito to	om you	nα		_	



-10,10

Report Date	3/9/08
Report Number	2

Well UMT 21D			Loc							
Operation Days		2		date and to	me	3/9/200	8 @ 05:	San Juar	Coun	ty, NM
Depth at report time	145'			hrs drilling				Form at r		
Present operation	WOC and F	rep to test l	BOP					KB		5
	TIMI	•				SURVE	1		DRILL	STRING
Drilling 3.25	Hrc NIIDA	D\BOP	1.75	Lien.	Donth	Angle		String Wt		
Survey	Hrs Loga		1./3	-rus Hrs	Depui	Algie	Deg	WOB		all
Rig Service	Hrs LDDF	-		Hrs	⊢		Deg	Drag UP		- an
		Casing	0.75	-			Deg.	Drag Dow	'n	
W&R	Hrs Cmtir	ng -	1	Hrs			Deg.	Max Pull		
C&C 0.25			3	Hrs			Deg.	Rot Torqu		
Rig Repairs	Hrs Drill o			Hrs		<u></u>	Deg	RPM (RT/	MM)	80
LD\PU Tools	Hrs Testii	19		Hrs		<u> </u>	Deg	Air	i	····
Other	al today		40.5	Hrs	[[]		Deg	Press Dp		5
101	artouay		16.5	. III S	] [	<u> </u>	Deg.	Бр		J
				MUD PRO	PERTIES					
, , , , , , , , , , , , , , , , , , ,				11100 ; 110		-				
Weight 8.		trength			Cake The				Calci	
Funnel Vis 21				9.0	Alkalınıty,		<b></b>		Sand	
Plastic Vis Yield Point	Filtrat	,		N/C	Alkalınıty, Chloride	Filtrate			4	Cont.
Tield Point	JAPI H	T-HP Filt [			Chioride		L		Jvvatei	Cont
Drling Bit Serial						Depth	Depth	Footage		Feet per
Number Number	Size	Make		Jets	Type	In	out	Drilled	Hrs	hour
1 <u>RT</u>	12 1/4	SEC		3-18's	S33	0	145	145	3.25	44.6
2										
3										
	er Denver	Liner		Stroke (in)	10	GPM		SPM		Pressure 0
Pump # 2		Liner		Stroke (in)		GPM .		SPM		Pressure
Details Spud 12 1/	4" surface h	ole at 05:00	hrs 3	/9/2008, BI	.M notifie	d at 14:	00 hrs 3	3/8/2008, dr	illed 1	2 1/4" hole to
145', PU and RIH with	h 3 jts 9 5/8"	36# J-55 ST	Г&С с	sg to 139',	cemented	surfac	e csg w	ith Superio	r Well	Services,
pumped 5 bbls FW a										
1.18 yeild, dropped v		and displac	ced w	th 7.8 bbls	FW, circ	5 bbls	cement	to pit, SWI	with 5	5 psi.WOC and
NU wellhead and BOP, SDON										
					•		-			
Geol (), Mud logger (	) Report:			Show #	De	oth	Drif	I Rate		Gas
Backgr	ound Gas		_	1						
Conne	ection Gas		_							
	Trip Gas	L	_							
L					-					
				cos	1					
Location, Road & ROV	√s			\$0	Camp, Ti	rash, Sa	n.	\$30		\$30
Pit liner, Fence			_	\$0	Mud logg		_		_	\$0
Day work Contract			_	\$0	Cement 5			\$3,250	_	\$3,250
Air rig (drill surf)			_	\$0	Abandon				_	\$0
Mobilization			_	\$0	Materials		lies _		_	\$0
Air Supervision		****	-	\$1 600	Will Head BOP Tes		-	<del></del>	_	\$0 \$0
Contract Labor		\$800	-	\$1,600 \$0	DOF 162	L	-		-	\$0 \$0
Transportation & Hauli	ng		-	\$0			-		-	\$0
Rental Equipment	-	\$25	-	\$50			-			\$0
Fuel			-	\$0	Surface 0	Csg	_		_	\$0
Water			-	\$1,500	Conducto		_		_	\$0
Drilling Mud & Chemica			_	\$0		ata Cca	_			\$0
	BIS		_		Intermedi					
Bits	als	· · · · · · · · · · · · · · · · · · ·	_	\$0	Wellhead	Equip.	_		_	\$0
Logging (open Hole)			-	\$0 \$0	Wellhead Other Tai	Equip. ngible	-		_	\$0 \$0
			-	\$0 \$0 \$0	Wellhead	Equip. ngible	-		-	\$0 \$0 \$0
Logging (open Hole) Mud Motor, Down Hole		\$4.405	-	\$0 \$0	Wellhead Other Tar Other Inta	Equip. ngible angible	_ 		-	\$0 \$0 \$0 \$0
Logging (open Hole)		\$4,105	-	\$0 \$0 \$0	Wellhead Other Tai	Equip. ngible angible	- -		-	\$0 \$0 \$0



Report Date 03/10/08
Report Number 3

Well UMT 2	1D				Loc						_		
Operation Day						date and tim	e		3/9/200		San Juan		-
Depth at report					_	hrs drilling				5	Form at re	port	Lewis
Present operat	IION	SDUN		o start drille	ng at 2.	25					KB		5
<del></del>			TIME				7.		SURVEY		Di	RILL ST	RING
Drilling	1.75	Hrs	NU/NE	O/BOP		Hrs	Ш	Depth	Angle		String Wt		12k
Survey	0.50	Hrs	Loggir			_ Hrs	Н	75	0.125		WOB		20k
Rig Service	0.50	Hrs	LDDP		0.5	_ Hrs	Ш		ļ	Deg	Drag UP		
Trip	0 50	Hrs	Run C	-		- Hrs	Ш		<u> </u>	Deg	Drag Down		<u> </u>
W&R	0.35	Hrs	Cmting	3		_ Hrs	П		<del> </del>	Deg	Max Pull		
C&C Rig Repairs	0.25	Hrs Hrs	WOC Drill on	nt .	1	– Hrs Hrs	П	<u> </u>	<del> </del>	Deg Deg	Rot Torque RPM (RT/M		80
LD\PU Tools		Hrs	Testino		<u> </u>	- Hrs	Ħ		<del> </del>	Deg	Air	,	
Other	1	- 1113	Test B	•	5	Hrs	П	-	<b>—</b>	Deg.	Press		300
	Tot	al toda			11	Hrs	Ш		_	Deg	Dp		8
							JΙ						
L													
						MUD PROPE	,						
Weight	<u></u>		Gel Str	ength	<u> </u>		•	ike Thic		<u> </u>		Calciu	
Funnel Vis	2	8	PH		<u> </u>	9.0	•	kalinity,		ļ <u> </u>		Sand	
Plastic Vis	<u> </u>		Fitrate		<b> </b>	N/C	-	kalinity,	Filtrate			Solids	
Yield Point	L		API HT	-HP Filt			) Cr	ilonde		L		Water	Cont
							-						
	enal								Depth		Footage		Feet per
****	mber	_	Size	Make	_	Jets	1	ype	_ In	out	Drilled	Hrs	hour
1 <u>RT</u>		_	12 1/4	SEC	-	3-18's	_	S33	0	145	145	3.25	44.6
2 RR	<u> </u>	_	8 3/4	HTC	_	14-14-15	_	09C	145	SIH	80	1.8	45.7
3		_			_								
		==					_						
Pump#1	Gardn	er Der	iver	Liner	5.5	Stroke (in)		10	GPM		SPM	68	Pressure 30
Pump#2				Liner		Stroke (in)	_		GPM		SPM		Pressure
							=						
Details Ser	vice rig	and sa	fety me	eting, press	ure tes	t BOP with F	our	Corne	s Testing	g, test bl	nd rams, pip	e e	
rams, safety va													
held OK, RIH, ta	ag ceme	nt at 7	5', wireli	ne survey 1	/8 deg	at 75', wart o	n a	pproval	from BL	M, drill c	ement 75' to	145'	
Started drilling	new for	mation	(8 3/4"	hole) at 15:	30 hrs 3	3/10/2008, dr	illed	145 to	225', cir	c clean a	nd PUH 100		
secure well and	SDON												
							_						
<del></del>							_						
							_					==	
Geol (), Mud lo	gger ( ) F	Report				Show #		De	pth	Dri	II Rate		Gas
	Backgrou				1								
(	Connect	on Gas											
	7	Inp Ga	S		Ι.		_						
<u> </u>	<del></del>					COST							
Location, Road 8	L DOWN-			\$10.000				amp T-	ach Car		*0^		***
Pit liner, Fence	a KUWS			\$10,000 \$2,000		\$10,000		amp, 11: ud loggi	ash, San na	-	\$90	-	\$120
Day work Contra	.~			\$16,130		\$16,130		ement S	-	-		-	\$3,250
Air ng (dnil surf)	CI			\$10,130		\$10,130		andonr		-		-	\$3,230
Mobilization				\$5,000		\$5,000			& supplie:	s -		-	\$(
Air			•	40,244	•	\$0		III Head		•		-	\$0
Supervision			•	\$800	•	\$2,400		OP Test		-	\$1,500	-	\$1,500
Contract Labor			•	\$1,780	•	\$1,780				-		_	\$0
Transportation &	Hauling				-	\$0				-		_	\$0
Rental Equipmen	nt			\$570		\$620				_		_	\$0
Fuel				\$360		\$360		rface C	-	_	\$2,000	_	\$2,000
Water						\$1,500		nducto		_		_	\$0
Drilling Mud & Ch	hemicals					\$0		ermedia	-	_		_	\$0
Bits				\$2,400		\$2,400		ellhead		_		_	\$0
Logging (open H						\$0		her Tan		_		_	\$0
Mud Motor, Dowi	n Hole To	ioc			-	\$0	Ot	her Inta	ngible	_		_	\$0
Total Dark: C1				640.000	-	\$0	_					_	\$00.504
Total Daily Cost				\$42,630			C	um Cost	15				\$93,694
Drilling Superviso	or N	4. A. C	onfer				F	Reported	to t	om youn	9		



\*\*\*\*

Report Date 3/11/08
Report Number 4

Present operation         SDON, prep to start drilling at 425'         KB           TIME         SURVEY         DRILL S'           Drilling         7.50 Hrs         NU\ND\BOP         Hrs         Depth Angle         String Wi		
Depth at report time		
Present operation         SDON, prep to start drilling at 425"         KB           TIME         SURVEY         DRILL S'           Drilling         7.50         Hrs         NU\ND\BOP         Hrs         Depth         Angle         String Wt	MM	
TIME         SURVEY         DRILL S'           Drilling         7.50 Hrs         NU\ND\BOP         Hrs         Depth Angle         String Wt	iff House	
Drilling 7.50 Hrs NU\ND\BOP Hrs Depth Angle String Wt	. 5	
Drilling 7.50 Hrs NU\ND\BOP Hrs Depth Angle String Wt	TRING	
10 11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1		M/ibs
Survey 1.75 Hrs Logging Hrs 75 0.125 Deg WOB		M/lbs
Rig Service 0.50 Hrs LDDP\DC Hrs \[ \begin{array}{ c c c c c c c c c c c c c c c c c c c		M/lbs
Trip         1.50         Hrs         Run Casing         Hrs         345         4.00         Deg         Drag Down           W&R         Hrs         Cmting         Hrs         Umax Pull		M/lbs
W&R         Hrs         Cmting         Hrs         Umax Pull           C&C         Hrs         WOC         Hrs         Deg         Rot Torque		M/lbs M/lbs
Rig Repairs Hrs Drill cmt Hrs Deg. RPM (RT/MM)	80	WIUS
LD/PU Tools Hrs Testing Hrs Deg Air		CFM
Other 0.25 Hrs Deg Press		PSI
Total today 11.5 Hrs Deg Dp		Jts
MUD PROPERTIES		
	r	
Weight 8.4 Gel Strength Cake Thickness Calcium		
Funnel Vis   28   PH   9.0   Alkalinity, Mud   Sand Cor   Plastic Vis   Filtrate API   N/C   Alkalinity, Filtrate   Solids Co	-	
Plastic Vis Fittrate API N/C Alkalinity, Fittrate Solids Co Yield Point API HT-HP Filt Chloride Water Co		
Tield Politic API HT-HP Pill Ciliolide Water Co	m. L	
· · · · · · · · · · · · · · · · · · ·	eet per	
	hour	
	44.6	
	62.8	
3 RT 6 1/4 Veral 3-14's CH7 365 SIH 60 4	15.0	
Pump #1 Gardner Denver Liner Stroke (in) 5.5 GPM SPM 68 Pres		
Pump # 2         Stroke (in)         GPM         Pres	ssure _	
Details Service rig and RIH, 10' fill, washed to bottom and drilled 225' to 265', wireline survey 2 3/4 deg at		
drill 8 3/4 hole 265' to 365', wreline survey 4 deg at 345', TOH for smaller bit, PU 6 1/4" bit and TIH, drill 365'	to 425',	
circ hole clean and PUH 100', secure well and SDON.		
Gen ( ) Mud longer ( ) Report Show# Denth Drill Rate Gar		
Background Gas	5	
Background Gas Connection Gas	5	
Background Gas	5	
Background Gas Connection Gas Trip Gas	5	
Background Gas Connection Gas Trip Gas COST		
Background Gas	\$150	
Background Gas   Connection Gas   Trip Gas   COST	\$150 \$0	
Background Gas   Connection Gas   Trip Gas   Cost   Cost	\$150 \$0 \$3,250	
COST   Connection Gas	\$150 \$0 \$3,250 \$0	
Background Gas   Connection Gas   Trip Gas   COST	\$150 \$0 \$3,250 \$0 \$0	
COST   COST	\$150 \$0 \$3,250 \$0 \$0 \$0	
COST   Connection Gas   \$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500		
COST   Connection Gas   \$150 \$0 \$3,250 \$0 \$0 \$0 \$0 \$1,500 \$0		
COST   Connection Gas	\$150 \$0 \$3,250 \$0 \$0 \$0 \$0 \$0 \$1,500 \$0	
COST   Connection Gas   Connection Gas   Trip Gas   Cost   \$150 \$0 \$3,250 \$0 \$0 \$1,500 \$0		
COST	\$150 \$0 \$3,250 \$0 \$0 \$0 \$0 \$1,500 \$0 \$0 \$2,890	
Connection Gas	\$150 \$0 \$3,250 \$0 \$0 \$0 \$0 \$1,500 \$0 \$0 \$2,690 \$0	
Connection Gas	\$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500 \$0 \$0 \$2,890 \$0	
COST	\$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500 \$0 \$0 \$2,890 \$0 \$0	
COST	\$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500 \$0 \$0 \$0 \$0 \$2,890 \$0 \$2,890 \$0 \$2,890 \$0 \$2,890 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	
COST	\$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500 \$0 \$2,690 \$0 \$4,000 \$0	
Cost	\$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500 \$0 \$0 \$2,890 \$0 \$4,000 \$0	
COST	\$150 \$0 \$3,250 \$0 \$0 \$0 \$1,500 \$0 \$2,690 \$0 \$4,000 \$0	



Report Date 3/12/08
Report Number 5

Well UMT 21 Operation Day Depth at repor	/s			- '	date and to	me	,	3/9/200	18 @ 05: 18 5	San Juar		ty, NM Cliff Hous
Present opera		N, prep to	start drillin	-	_					КВ	0,000	
•		TIME						SURVE	Y	DF	RILL ST	RING
Drilling Survey Rig Service	6.00 Hrs 0.25 Hrs 0.50 Hrs	NU\NE Loggin	9		_ Hrs _ Hrs _ Hrs		Depth 75 245		, ]	String Wt WOB Drag UP		17K 5K
Trip	0.25 Hrs	Run Ca			Hrs	Ш	345	4.00	Deg	Drag Dow	m	
W&R	Hrs	Cmting	-		Hrs	П	445	4.00	Deg	Max Pull		
C&C	Hrs	woc			Hrs	Ш			Deg	Rot Torqu		
Rig Repairs	3.5 Hrs	Dnil cn			_ Hrs	Н	$\vdash$		Deg	RPM (RT/	MM)	80
LD\PU Tools _ Other	Hrs	Testing	l		_ Hrs Hrs	H	$\vdash$	<del> </del>	Deg Deg	Air Press		300
-	Total toda	av		11.0	Hrs	IJ			Deg	Dp		22
						11			<u>ٿ</u>	<u> </u>		
i												
L				м	UD PROPE	RT	IES					
Weight [	8.4	Gel Str	enath			lc	ake Thi	ckness			Calcu	ım.
Funnel Vis	29	PH			9.0	1	lkalinity,				-	Cont.
Plastic Vis		Filtrate	API		N/C	]AI	lkalınıty,	, Filtrate			Solids	Cont.
Yield Point		API HT	-HP Filt	L		C	hloride		L		Water	Cont.
						=						
Driing Bit Se Number Nun	rial nher	Size	Make		Jets	,	Гуре	Depth In	Depth out	Footage Drilled	Hrs	Feet per hour
1 RT	ibei	12 1/4	SEC	•	3-18's	-	S33	T 0	145	145	3.25	44.6
2 RR		8 3/4	нтс		14-14-15	_	09C	145	365	220	3.50	62.8
3 <b>RT</b>		6 1/4	Veral		3-14's	_	CH7	365	SIH	140	10	14.0
					-							
	Gardner Dei		Liner	5.5	Stroke (in)	_	10	GPM		SPM	$\overline{}$	Press 300
Pump # 2			Liner		Stroke (in)	_		_GPM		SPM		Pressure
Dotaile Con	ine Die end	hald an		TII	l no fill de	:01:	no C 11/	4" holo (	125' to 4	CE' verolin		w 4 dos
Details Servat 445', drilling	vice Rig and											
transmission,												
						_						
												_
Geol. ( ), Mud lo	ogger ( ) Rep Background				Show#		De	pth	Dril	I Rate		Gas
	Connection	-										
		Gas				_	-					
										-		
<del></del>					COST					<del></del>		
Location, Road	& ROW's	-			\$10,000			rash, Sa	n -		_	\$150
Pit liner, Fence Day work Contra	art	-	\$3,250		\$2,000 \$24,360		fud logg	jing Services	-		-	\$0 \$3,250
Air rig (drill surf)		-	43,230	-	\$0		bandon		-		-	\$3,230
Mobilization		_		•	\$5,000			& suppl	ies -		-	\$0
Air		_			\$0	W	√ill Head	d Inst.	-		_	\$0
Supervision		_	\$800		\$4,000		OP Tes				_	\$1,500
Contract Labor	2 Mandres	-	\$950	-	\$2,730	V	ALUES	& FITTIN	NGS _		-	\$0 \$0
Transportation & Rental Equipme		-	\$425	-	\$0 \$1,095				-		-	\$0
Fuel		-	\$480	-	\$1,310	s	urface (	Csg	-	··· ··· ···	-	\$2,890
Water		-		-	\$1,750		onducto	_	_		_	\$0
Drilling Mud & C	hemicals	_		_	\$0			ate Csg	_		_	\$0
Brts		_		_	\$3,450		/ellhead		_		_	\$4,000
Logging (open H		_		-	<u>\$0</u>		ther Tai	-	_		_	<u>\$0</u>
Mud Motor, Dow	m Molé Too!	-		-	<del>\$0</del>	U	ther Inta	angible	-		-	\$0 \$0
Total Daily Cost			\$5,905	=	40	С	um Cos	sts			_	\$67,485
Onling Supervis	or <b>M</b> . A. C	Confer				-	Reporte	d to	om you	na	<del></del>	



Report Date 3/13/08
Report Number 6

Contraction Days	Well UMT 2	07.\%* . !1D				Loc								
Present operation   SOON_prep to start drilling at 745   SURVEY   SURVEY   DRILL STRING	Operation Day	/s					date and tim	ne		3/9/200	8 @ 05:0	San Juan Count	y, NM	
Description						_	_				27.5			
Dellang   9 00   Hs   NUNDBOP   Hrs   Survey   0.72   Hs   Logarge   Hrs   Survey   0.72   Hs   Logarge   Hrs   Survey   0.72   Hs   Logarge   Hrs   Survey   0.73   Hs   Logarge   Hrs   Survey   0.75   Hs   LoPPLC   Hrs   Survey   0.75   Hs   LoPPLC   Hrs   Survey   1.75	Present opera	tion .	SDON		start drilli	ng at	745'							
Survey				TIME				- r-		SURVE	Y		RILL STR	ING
Rig Service		9 00	Hrs	NU/ND	\BOP		_ Hrs	11.	Depth		_			
Top								111						5 to 15K
Wash	-						_	Ш		_				
CaC					ising		_	Ш		$\overline{}$	I			<u> </u>
Fig.   Fig.						_	_	Ħ						
Other					t		_	H						80
Mud   Properties   Mud   Properties   Mud   Properties	LD\PU Tools		Hrs	Testing			Hrs	$\Pi$			Deg	ΑιΓ		
Multiple   Second	Other						_	Ш			- I	1		
Weight		Tota	al today	/		11.2	5 Hrs	ПГ		L	Deg	Dp		34
Weight									==					
Weight														
Funner   Variable   Punner   Variable   Punner   Punner   Variable   Punner   Punner   Variable   Punner   Pu							MUD F	PROF	PERTIE	S				
Plastic Vs	_	8.5	5		ength			Cal	ke Thicl	kness			⊣	
Chlonde		29				<u> </u>		-1						
Depth   Dept							N/C	-		Filtrate	<u> </u>		<b>⊣</b>	
Number   N	Yield Point	neid Point API H1-HP Flit						] Chi	onde				_ Water Co	ont.
Number   N	Drling Bit S						Depth	Depth	Footage		Feet per			
2 RR   8.3/4 HTC   14-14-15   09C   145   365   310   330   19   20.0		mber	:	Sıze	Make		Jets	Ту	/ре	in		-	Hrs	hour
Second   S	1 RT	-		12 1/4	SEC		3-18's		S33	0	145	145	3.25	44.6
Pump # 1				8 3/4	HTC	-				$\overline{}$				
Pump # 2	3 <u>RT</u>	<u> </u>		6 1/4	Veral	-	3-14's		CH7	365	SIH	380	19	20.0
Pump # 2														
Details   Service rig and safety meeting, RiH, No fill, drill 6 1/4" hole 505' to 585', wrieline survey 4 deg at 565', drilling 6 1/4" hole 685' to 745', circ hole clean, PUH 200' Secure well and SDON	· —	Gardne	r Den			5.5	_		10				$\overline{}$	
Show #   Depth   Drill Rate   Gas	Pump # 2				Liner		_ Stroke (in)	_		GPM		SPM		Pressure
COST   COST	SDON													
COST   COST														
Connection Gas Trip Gas   COST   COST	Geol (), Mud lo	ogger () R	eport.				Show#		De	pth		Drill Rate		Gas
COST   Coation, Road & ROW's   \$10,000   Camp, Trash, San.   \$50   \$20		Backgrou	nd Gas	, [										
COST   COST				-										
State   Stat			Inp Ga	as L				-						
Pit liner, Fence         \$2,000         Mud logging         \$           Day work Contract         \$4,875         \$29,235         Cement Services         \$3,25           Auring (drill surf)         \$5         Abandonment         \$           Abur (drill surf)         \$5,000         Matenals & supplies         \$           Abur (abit	-						(	cost	Т					
Day work Contract         \$4,875         \$29,235         Cement Services         \$3,25           Air ng (drill surf)         \$0         Abandonment         \$           Abordolization         \$5,000         Matenals & supplies         \$           Air         \$0         \$1,500         \$           Supervision         \$800         \$4,800         \$         \$           Contract Labor         \$475         \$3,205         \$         \$           Fransportation & Hauling         \$500         \$500         \$         \$         \$           Breatal Equipment         \$500         \$1,595         \$         \$         \$         \$           Fuel         \$480         \$1,790         \$         <	ocation, Road	& ROW's					\$10,000	Ca	mp, Tra	sh, San		\$50		\$200
Aur ng (drill surf)         \$0         Abandonment         \$           Adoblization         \$5,000         Materials & supplies         \$           About Name         \$5,000         Will Head Inst         \$           Supervision         \$800         \$4,800         BOP Test         \$1,500           Contract Labor         \$475         \$3,205         \$         \$           Fransportation & Hauling         \$500         \$5,000         \$         \$         \$           Rental Equipment         \$500         \$1,595         \$ </td <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td>\$2,000</td> <td>Mu</td> <td>d loggir</td> <td>ng</td> <td>_</td> <td></td> <td>- -</td> <td>\$1</td>				_			\$2,000	Mu	d loggir	ng	_		- -	\$1
Mobilization         \$5,000         Materials & supplies         \$           Air         \$0         \$4,800         \$4,800         \$0.00         \$1.50         \$1.70	•			_	\$4,875						_	<del></del>		\$3,250
Supervision   \$800   \$4,800   \$600   \$7,500   \$1,500	,			_							_		-	\$0
Supervision         \$800         \$4,800         BOP Test         \$1,50           Contract Labor         \$475         \$3,205         \$         \$           Fransportation & Hauling         \$500         \$500         \$         \$           Sental Equipment         \$500         \$1,595         \$         \$           size legistry         \$480         \$1,790         \$         \$         \$2,890           Vater         \$750         \$2,500         Conductor Pipe         \$         \$           States         \$1,200         \$4,650         Wellhead Equip         \$4,00           ogging (open Hole)         \$0         Other Tangible         \$           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$           \$0         \$0         \$         \$           \$0         \$0         \$         \$           \$0         \$0         \$         \$           \$0         \$0         \$         \$           \$0         \$0         \$         \$           \$0         \$0         \$         \$           \$0         \$0         \$         \$           \$0         \$         \$         \$ <td></td> <td></td> <td></td> <td>-</td> <td><del></del></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>:s -</td> <td></td> <td>-</td> <td></td>				-	<del></del>						:s -		-	
Sentract Labor				-	\$800						-		-	\$1,500
Rental Equipment         \$500         \$1,595         \$ <td colspan="5"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>_</td> <td>\$0</td>											-		_	\$0
Fuel         \$480         \$1,790         Surface Csg         \$2,89           Vater         \$750         \$2,500         Conductor Pipe         \$           Inling Mud & Chemicals         \$0         Intermediate Csg         \$           Ids         \$1,200         \$4,650         Wellhead Equip         \$4,000           logging (open Hole)         \$0         Other Tangible         \$1           Aud Motor, Down Hole Tool         \$0         Other Intangible         \$1           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         \$0         \$0         \$0           \$0         <	Transportation & Hauling \$500										_		_	\$0
Vater         \$750         \$2,500         Conductor Pipe         \$           Shilling Mud & Chemicals         \$0         Intermediate Csg         \$           Bits         \$1,200         \$4,650         Wellhead Equip         \$4,00           ogging (open Hole)         \$0         Other Tangible         \$1           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$1           ***State Company         \$0         \$0         \$0           ***Term Tangible	Rental Equipment \$500							_			_		_	\$0
Onling Mud & Chemicals         \$0         Intermediate Csg         \$1           bits         \$1,200         \$4,650         Wellhead Equip         \$4,000           ogging (open Hole)         \$0         Other Tangible         \$1           flud Motor, Down Hole Tool         \$0         Other Intangible         \$1           \$0         \$0         \$1         \$2           \$0         \$0         \$2         \$3           \$0         \$0         \$2         \$3           \$0         \$0         \$2         \$3           \$0         \$0         \$2         \$3           \$0         \$0         \$2         \$3           \$0         \$0         \$3         \$4	Fuel \$480									-	_		_	\$2,890
Sits         \$1,200         \$4,650         Wellhead Equip         \$4,001           ogging (open Hole)         \$0         Other Tangible         \$1           flud Motor, Down Hole Tool         \$0         Other Intangible         \$1           \$0         \$0         \$0         \$1           \$0         \$0         \$0         \$0										_		_	\$0	
ogging (open Hole)         \$0         Other Tangible         \$1           flud Motor, Down Hole Tool         \$0         Other Intangible         \$1           \$0         \$0         \$1	Drilling Mud & Chemicals									_	-		_	
Aud Motor, Down Hole Tool         \$0         Other Intangible         \$1           \$0         \$0         \$1											-		-	\$4,000
\$0\$	Logging (open Hole)  Mud Motor, Down Hole Tool								-	-		-	\$0	
atal Darly Cost 50 50 Com Costs							\$0	_	_		_		_	\$0
otal Daily Cost \$9,630 Cum Costs \$77,11	otal Daily Cost	al Daily Cost \$9,630						Cu	m Cost	s			_	\$77,115



44 6 31 4 4

Report Date	3/14/08
Report Number	7

Well UMT 2	1D				Loc								
Operation Day	/s				-	date and tim	ie	3/9/200	8 @ 05:0	San Juan (	County	, NM	
Depth at repor						hrs dolling			36 25	Form. at re	port	Menefee	
Present opera	tion	SDON	, prep to	o start drilli	ng at '	1025'				КВ		!	5
			TIME					SURVE	Υ		DRIL	L STRING	
Drilling	8 75	Hrs	NU\ND	NBOP		Hrs	Depth	Angle		String Wt		28K	M/lbs
Survey	1.25	Hrs	Loggin			Hrs	75	0 125	Deg	WOB		18	M/lbs
Rig Service	0.50	Hrs	LDDP\	-		Hrs	245	2.75	Deg	Drag UP			M/lbs
Tnp	0.75	Hrs	Run Ca	asing		Hrs	345	4.00	Deg	Drag Down			M/lbs
W&R		Hrs	Crnting	l		_ Hrs	445	4.00	Deg.	Max Pull			M/lbs
C&C		Hrs	WOC			Hrs -	565	4.00	Deg	Rot Torque			M/lbs
Rig Repairs LD\PU Tools		Hrs Hrs	Drill cm Testing			- Hrs Hrs	665	4 00	Deg	RPM (RT/M	IM)	80	СЕМ
Other	0 25	Ln2	resung	<b>)</b>		- Hrs	745 845	4.25 5.0	Deg Deg	Air Press		300	PSI
		al today	,			Hrs	945		Deg	Dp		300	Jts
L							تكال						
												•	
L													
						MUD PR	OPERTIES						
Weight	8.5	;	Gel Stre	enath			Cake This	kness			Calciu	m	
Funnel Vis	30	_	PH	· ·		9.0	Alkalinity,		-		Sand		
Plastic Vis			Filtrate	API		N/C	Alkalınıty,				Solids	Cont.	
Yield Point			API HT-	-HP Filt			Chlonde				Water	Cont	
Drling Bit Si	enal							Depth	Depth	Footage		Feet per	
Number Nu	mber	_ :	Size	Make		Jets	Туре	In	out	Drilled	Hrs	hour	_
1 RT			12 1/4	SEC		3-18's	S33	0	145	145	3.25	44.6	]
2 <u>RR</u>			8 3/4	HTC		14-14-15	_09C	145	365	220	3.50	62.8	]
3 <u>RT</u>			6 1/4	Veral		3-14's	CH7	365	SIH	660	27.8	2.3.8	j
Pump # 1	Gardne	r Den	ver	Liner	5.5	Stroke (in)	10	GPM		SPM	68	Pressure	300
Pump#2				Liner		Stroke (m)		GPM		SPM		Pressure	
						le 745' to 76							
765' to 865', wi					6 1/4"	hole 865' to	965', wire	ine surv	ey 4 deg	at 945', drilli	ng 6 1/	4" hole	
965' to 1025', P	UH 100',	secure	well an	d SDON.									
								-					
Geol (), Mud lo			г	<del></del> -		Show #	De	pth	Dri	I Rate		Gas	
	Backgrou Connecti		-										
		on Gas Tnp Ga					-						
		inp Ge	~ L						-				
						co	ST						
Location, Road 8	P DOMA					£40.000	C T-			***		6050	
Pit liner, Fence	A ROWS		-			\$10,000 \$2,000	Camp, Tr Mud loggi		-	\$50	-	\$250 \$0	i
Day work Contra	ect		-	\$4,980		\$34,215	Cement 5	-	-		-	\$3,250	
Air ng (drill surf)			•		•		Abandonr		-		_	\$0	
Mobilization			_			\$5,000	Materials	& supplie	s		_	\$0	[
Air			_			\$0	Will Head		-		_	\$0	l
Supervision			_	\$800	-	\$5,600	BOP Test		_		_	\$1,500	i
Contract Labor	Haules		-	\$480	-	\$3,685 \$500			_		-	\$0	İ
Fransportation & Rental Equipmen			-	\$450	-	\$2,045			-		-	\$0 \$0	- 1
uel	••		-	\$480	-	\$2,270	Surface C	sq	-		_	\$2,890	ı
Vater			_		-	\$2,500	Conducto	-	-		_	\$0	ı
Onlling Mud & Ch	nemicals		_		-	\$0	Intermedia		_		-	\$0	ı
Bits			_		-	\$4,650	Wellhead	Equip	_		_	\$4,000	- 1
ogging (open Ho					_	\$0	Other Tan	•	_		_	\$0	i
Mud Motor, Down		ol	_		-	\$0	Other Inta	ngible	_			\$0	ľ
ISHING TOOLS otal Daily Cost	,			\$7 40P	-	\$72.465	Cum Con	te.		€7 24D	_	\$94.355	l
otal Daily CUST				\$7,190		\$72,465	Cum Cos			\$7,240		\$84,355	
orilling Superviso	r M	A. Co	onfor				Reported	10 1	om youn	~			



Report Date 3/15/08
Report Number 8

Well UMT 21D			Loc			=			
Operation Days			Spud date and tim	e <u>3/9/200</u>		San Juan Co			
Depth at report time Present operation	SDON, prep to		Cum hrs dolling		44.75	Form, at repo	οπ <u>Ρ</u> α	int Look 5	
	TIME			SURVE	Y		DRILL S		
Drilling 8.50	Hrs NU\ND	NPOD.	Hrs	1.		String Wt		30K	M/lbs
Survey 1.5	Hrs Loggin		Hrs	Depth Angle 4.00	Deg	WOB		20	M/lbs
Rig Service 0.50	Hrs LDDP\		Hrs	565 4.00	Deg	Drag UP		<del></del>	M/lbs
Tnp 1.00	Hrs Run Ca	asing	Hrs	665 4.00	Deg	Drag Down			M/lbs
W&R	Hrs Cmting		Hrs	745 4.25	Deg	Max Pull	<u> </u>		M/lbs
C&C Rig Repairs	Hrs WOC		Hrs	945 5.0 945 4.0	Deg	Rot Torque			M/lbs
LD\PU Tools	Hrs Drill cm Hrs Testing		——Hrs Hrs	945 4.0 1045 5.0	Deg Deg	RPM (RT/MM Air	' ├─	80	СЕМ
Other 0.25	ins resum	,	—— Hrs	1145 4.5	Deg	Press	$\vdash$	300	PSI
	tal today		11.75 Hrs	1245 5.0	Deg	Dρ			Jts
	:			<u> </u>					
			AAUD DD	DEPTIES			****		
	<u> </u>		MUD PRO	OPERTIES			N-1		
Weight 8. Funnel Vis 3		ength	9.0	Cake Thickness Alkalinity, Mud	-		Calcium Sand Con		<u> </u>
Plastic Vis	Filtrate	API	N/C	Alkalinity, Filtrate	<del></del>		Solids Co		
Yield Point	API HT-			Chlonde			Vater Co		
Drling Bit Senal				Depth	Depth	Footage	F	eet per	
Number Number	Size	Make	Jets	Type In	out	Dniled H	Irs	hour	
1 RT	12 1/4	SEC	3-18's	S33 0 .	145		3.25	44.6	
2 <u>RR</u>	8 3/4	HTC	14-14-15	09C 145	365		3.50	62.8	ļ
3 <u>RT</u>	6 1/4	Veral	3-14's	CH7 365	SIH	960   3	35.8	26.9	J
Pump # 1 Gardn Pump # 2		Liner Liner	5.5 Stroke (in) Stroke (in)	10 GPM		SPM		ssure ssure	300
Details Service rig	and RIH, 4' fill,	drilling 6 1/4	4" hole 1025' to 10	65', wireline survey	5 deg at	1045', drilling	6 1/4" h	ole	
1065' to 1165', wireline				65' to 1265', wireli	ne survey	deg at 1245'	, drilling	6 1/4"	
hole 1265' to 1325', PU	H 100', secure v	well and SDO	ON	· · · · · · · · · · · · · · · · · · ·					
				• • • • • • • • • • • • • • • • • • • •				-	
Geol (), Mud logger() F	Report <sup>.</sup>		Show#	Depth	Drill	Rate	Ga	s	
Backgro	F								
Connec	tion Gas								
1	Tnp Gas		-						
			COS	ST		· · · · · · · · · · · · · · · · · · ·			
Location, Road & ROWs			\$10,000	Camp, Trash, San		\$50		\$300	
Pit liner, Fence	-		\$2,000	Mud logging	_			\$0	
Day work Contract	_	\$5,090	\$39,305	Cement Services	_			\$3,250	
Air ng (dnll surf)	_		\$0	Abandonment	_			\$0	
Mobilization	-		\$5,000	Materials & supplie	s _			\$0	
Air Supervision	-	\$800	\$0 \$6,400	Will Head Inst BOP Test	_	<del></del>		\$0 \$1,500	
Contract Labor	-	\$480	\$4,165		_			\$1,500	
Transportation & Hauling	-		\$500				_	\$0	
Rental Equipment	_	\$450	\$2,495		_			\$0	
Fuel	_	\$480	\$2,750	Surface Csg				\$2,890	
Water	_		\$2,500	Conductor Pipe	_			\$0	
Drilling Mud & Chemicals Bits	-		\$0 \$4,650	Intermediate Csg Wellhead Equip	_			\$0 \$4,000	
Logging (open Hole)	-		\$0	Other Tangible	_		_	\$4,000	
Mud Motor, Down Hole To	ool –		\$0	Other Intangible			_	\$0	
FISHING TOOLS	_		\$0	_	_			\$0	
Total Daily Cost		\$7,300	\$79,765	Cum Costs	_	\$7,350	\$	91,705	
Drilling Supervisor N	I. A. Confer			Reported to _t	om young				



r .:

Report Date	3/16/08
Report Number	9

Well UMT 21	D				Loc								
Operation Days					9 Spud date and time 3/9/2008 @ 05:( San Juan County, NM								
Depth at report					_	hrs drilling			51 50	Form at re	port	Point Look	
Present operation	on	SDON		start drilli	ng at	1525				KB		5	
			TIME					SURVEY			DRIL	L STRING	
Drilling		Hrs	NU/ND			_ Hrs	Depth	Angle	, I	Stnng Wt		32K	M/lbs
Survey	0.5	Hrs	Logging			- Hrs	565	4.00	Deg	WOB		20	M/lbs
Rig Service Trip	2.75	Hrs Hrs	LDDP\E Run Ca		-	_ Hrs Hrs	745	4.00	Deg. Deg	Drag UP Drag Down		<u> </u>	M/lbs M/lbs
W&R	2.75	Hrs	Crnting	Sing		- Hrs	845	5.0	Deg.	Max Pull	1		M/lbs
C&C		Hrs	woc			Hrs	945	4.0	Deg	Rot. Torque	е		M/lbs
Rig Repairs		Hrs	Dnil cm	t		Hrs	1045	50	Deg.	RPM (RT/N		80	1
LD\PU Tools		Hrs	Testing			Hirs	1145	4.5	Deg	Aır			СЕМ
Other	0.25					Hrs	1245	5.0	Deg	Press		300	PSI
<u></u>	Tota	al toda	y		11.0	0 Hrs	1465	4.75	Deg	Dp			Jts
						MUD DD	OPERTIES						
[			1			MODER	,				<del></del>		
Weight Funnel Vis	8.5		Gel Stre	ngth			Cake Thick				Calciu		
Plastic Vis	30		Filtrate /	API		9.0 N/C	Alkalınıty, I Alkalınıty, I				Sand (		
Yield Point			API HT-				Chlonde				Water		
							J				J		
Drling Bit Sei	nal							Depth	Depth	Footage		Feet per	
Number Num	nber		Sıze	Make	_	Jets	Туре	In	out	Drilled	Hrs	hour	
2 RR		_	8 3/4	HTC		14-14-15	09C	145	365	220	3.50	62.8	
3 <u>RT</u>		_	6 1/4	Veral		3-14's	CH7	365	1325	960	35.8	26.9	
4 <u>RT</u>		_	6 1/4	STC		3-14's	RR	1325	SIH	200	6.75	29.6	
Pump#1	Gardne	r Den	ver	Liner	5.5	Stroke (in)	10	GPM		SPM	68	Pressure	300
Pump # 2				Liner		Stroke (in)		GPM .		SPM		Pressure	
Details Serv to 1485', wireling						eeth 6 and 1							
to 1485, Wireling	e Surve	1 4 3/4	ueg at i	403 , um 0	1/4 11	016 1403 10	1323 , lay u	OWIT 100	Dr, Sec	ure wen am	JOUR		
								- %					
									-				
Geol (), Mud log						Show #	Dej	oth	Dri	l Rate		Gas	
	Backgrou Connecti		-										
`		Trip G	-				· <del></del>						
			_			co	ST						
Location, Road &	ROW's					\$10,000	Camp, Tra	ish, San		\$50		\$350	
Pit liner, Fence			_			\$2,000	Mud loggir	ng			_	\$0	
Day work Contract	at .		_	\$4,770		\$44,075	Cement Se		_		_	\$3,250	
Air ng (dnil surf)			_			\$5,000	Abandonm		_		_	\$0	
Mobilization Air			_			\$5,000	Materials & Will Head		s _		-	\$0 \$0	
Supervision				\$800	•	\$7,200	BOP Test		-		-	\$1,500	
Contract Labor				\$480		\$4,645			_		_	\$0	
Transportation & F	Hauling					\$500					_	\$0	
Rental Equipment	!		_	\$50		\$2,545			_		_	\$0	
Fuel			_	\$480		\$3,230	Surface Cs	-	_		_	\$2,890	
Water	omie-l-		-		-	\$2,500	Conductor		_		_	\$0	
Drilling Mud & Che Bits	criicais		_		-	\$0 \$4,650	Intermedia Wellhead E		_		-	\$4,000	
ons Logging (open Hol	le)		-		-	\$0	Other Tang		-		-	\$4,000	
Mud Motor, Down		ol	_		-	\$0	Other Intar	•	_		_	\$0	
FISHING TOOLS			_		-	\$0		-	_			\$0	
Total Daily Cost				\$6,580		\$86,345	Cum Cost	s		\$6,630	=	\$98,335	
Drilling Supervisor	М	. A. C	onfer				Reported	to to	om youn	g			



2., . . r ·

Report Date 3/17/08
Report Number 10

Well UMT 21D			Loc								
Operation Days		10	_	date and tim	e	3/9/200	8 @ 05:0	San Juan (	County	, NM	
Depth at report time	1745'		Cum	hrs drilling	60	Form at rep		Upper Man	ços		
Present operation	SDON, prep	to start drilli	ng at 1	745'				КВ		5	
	ΉМ	E				SURVEY	r		DRIL	L STRING	
Dellara 8.50	14 1000	IDIDOD			2			C+ 140			7.40-
Drilling 8 50 Survey 0.5	-	ID\BOP		- Hrs Hrs	Depth 1465	4.75	ا ممت	String Wt WOB		33K	M/lbs M/lbs
Rig Service 0.75	_Hrs Logg: Hrs LDDF			- Hrs	1645	5.25	Deg Deg.	Drag UP		20	M/lbs
Tnp 0.75	_	Casing		- Fils Hrs	1111111111	3.23	Deg.	Drag Down		-	M/lbs
W&R	Hrs Cmtir	-		- ' "s Hrs	ш	<b> </b>	Deg.	Max Pull			M/lbs
C&C	Hrs WOC			- Hrs		-	Deg	Rot Torque	,		M/lbs
Rig Repairs	Hrs Drill o			Hrs	Ш	<u> </u>	Deg	RPM (RT/M		80	
LD\PU Tools	Hrs Tester			Hrs	$\Pi \vdash \exists$	<u> </u>	Deg.	Air	,		CFM
Other 0.25		79		- Hrs	<del>   </del>	<b></b>	Deg	Press		300	PSI
	tal today		10.75	-			Deg	Dp			Jts
				-	تصال		ا ب	Ľ			J
				-							
March 8	<u> </u>			MUD PRO	OPERTIES				10-1-		
Weight 8 Funnel Vis 3		trength	<del> </del>	9.0	Cake Thic Alkalinity,		ļ		Calciu Sand		<u> </u>
Plastic Vis	Filtrati	o ADI	<u> </u>	N/C	Alkalinity,				4	Cont.	
Yield Point		T-HP Filt	<del> </del>	N/G	Chlonde	riitiate			Water		
TIEIU FOITI	API II	I-AP FIIL	<u> </u>		Chionae		<u> </u>		vvalei	Cont	
r											
Drling Bit Senal						Depth	Depth	Footage		Feet per	
Number Number	Size	Make		Jets	Type	<u>In</u>	out	Drilled	Hrs	hour	,
4 <u>RT</u>	6 1/4	STC		3-14's	RR_	1325	SIH	440	15.3	28.9	]
5											ł
6						L	L				J
								·			
Pump # 1 Gardn	er Denver	Liner	5.5	Stroke (in)	10	GPM		SPM	68	Pressure	300
Pump # 2		Liner		Stroke (in)		GPM		SPM		Pressure	
Details Rig service	and safety m	eetina RIH n	no fill	drill 6 1/4" h	nie 1525' to	1645' v	vireline s	urvey 5 1/4 c	len at	1645' drill	-
6 1/4" hole 1665 to 174					510 1525 10	, 1043, 1	vii cinic 3	aivey 3 114 0	icg at	1045, 4711	
	.,										
						•					
	*									<del></del>	
Geol (), Mud logger () I				Show#	De	oth	Dri	II Rate		Gas	
Backgro											
Connec	tion Gas Trip Gas										
	TIIP Gas	L									
				CO	ST						
Location, Road & ROWs				\$10,000	Camp, Tra	sh. San		\$50		\$350	
Pit liner, Fence			-	\$2,000	Mud loggii		-	450	_	\$0	
Day work Contract		\$4,440	-	\$48,515	Cement S	-	-		-	\$3,250	
Air ng (dnll surf)			•	\$0	Abandonm		-		-	\$0	
Mobilization			•	\$5,000	Matenals &		s -		-	\$0	
Aır			-	\$0	Will Head		-		-	\$0	
Supervision		\$800	-	\$8,000	<b>BOP Test</b>		_		_	\$1,500	
Contract Labor		\$480	_	\$5,125			_		_	\$0	
Transportation & Hauling				\$500			_		_	\$0	
Rental Equipment		\$500		\$3,045			_		_	\$0	
Fuel		\$480	_	\$3,710	Surface Cs		_		_	\$2,890	
Water			_	\$2,500	Conductor		_		_	\$0	
Drilling Mud & Chemicals			_	\$0	Intermedia	-	_		_	\$0	
Bits			_	\$4,650	Wellhead E		_		_	\$4,000	
Logging (open Hole)			_	\$0	Other Tang	-	_		_	\$0	
Mud Motor, Down Hole To	ool		_	\$0	Other Intar	ngible	_		_	\$0	
FISHING TOOLS		Ac	_	\$0						\$0	
Total Daily Cost		\$6,700		\$93,045	Cum Cost	s		\$6,750		\$105,035	
Drilling Supervisor A	A. A. Confer				Reported	to t	om youn	9			



Report Date 3/18/08
Report Number 11

Well UMT 21D			Loc				_		*	
Operation Days			Spud date and tim	e	3/9/200	8 @ 05:	San Juan (	-		
Depth at report time			Cum hrs drilling			63.5		port	Upper Man	
Present operation	SDON, prep	to start ream	ing at 245				KB		5	
	TIME				SURVE	<u>′</u>		DRIL	L STRING	
Drilling 3.50	Hrs NU\NI	D\BOP	Hrs	Depth	Angle		String Wt		33K	M/lbs
Survey 0.5	Hrs Loggii	ng	Hrs	1465	4 75	Deg	WOB		20	M/lbs
Rig Service 0.75	Hrs LDDP	\DC	3.5 Hrs	1645	5.25	Deg	Drag UP			M/lbs
Trip 0.25	Hrs Run C	-	Hrs	1800	5.25	Deg	Drag Down			M/lbs
W&R	_Hrs Cmtin	g	—— Hrs	Ш	<u> </u>	Deg	Max Pull			M/lbs
C&C	_Hrs WOC		Hrs	├	-	Deg.	Rot. Torque		<del></del>	M/lbs
Rig Repairs  LD\PU Tools	Hrs Drill cr Hrs Testin			Ш—Н	<b></b>	Deg	RPM (RT/M	IM)	80	СЕМ
Other 0.25	_Hrs Testin RD/Rt	_	1.75 Hrs	├──┤		Deg Deg	Press		300	PSI
	tal today	Jilg	10.50 Hrs	Ш		Deg	Dp		88	Jts
				ال		,				J
			MUD PRO	OPERTIES						
Weight 8	.5 Gel St	renath		Cake Thick	rnoss			Calciu	ım	
1 -	IO PH	engui	9.0	Alkalinity, I		<b></b> -		Sand		<b></b>
Plastic Vis	Filtrate	. API	N/C	Alkalınıty, I				Solids		<u> </u>
Yield Point		T-HP Filt		Chloride				Water		
				,						
Drling Bit Senal					Depth	Depth	Footage		Feet per	
Number Number	Size	Make	Jets	Type	In	out	Dniled	Hrs	hour	
4 RT	6 1/4	STC	3-14's	RR	1325	1825	520	21.8	23.9	7
5 RR #2	8 3/4	HTC	14-14-15	09C	365	SIH	220	3.50	62.8	1
6					<u> </u>					1
Pump#1 Gardn	er Denver	Liner	5.5 Stroke (in)	10	GPM		SPM	68	Pressure	300
Pump # 2		Liner	Stroke (in)		GPM		SPM		Pressure	
		<del></del>								
Details: Service rig	and safety me	otino DIU d	rilling 6 1/4" hole 1	745' to 182	5' wro	ine sune	v 5 1/4 dog :	at 1800	י פרו וויסם י	
DP and DC's, RD rig ar								at 1000	, r on cb	
					,					
ļ										
····										
Geol (), Mud logger ()!	Report		Show#	Dep	oth	Dri	I! Rate		Gas	
	und Gas									-
Connec	tion Gas			····						
	Tnp Gas									
			CO	ST						
Location, Road & ROWs			\$10,000	Camp, Tra	sh San		\$50		\$400	
Pit liner, Fence	-		\$2,000	Mud loggir		-		-	\$0	
Day work Contract		\$4,550	\$53,065	Cement S	-	•		_	\$3,250	
Air ng (dnll surf)			\$0	Abandonm		-		_	\$0	
Mobilization			\$5,000	Matenals &	& supplie	s _			\$0	
Air			\$0	Will Head	Inst.	_		_	\$0	
Supervision		\$800	\$8,800	BOP Test		_		_	\$1,500	
Contract Labor		\$480	\$5,605			_		_	\$0	
Transportation & Hauling	٠	\$800	\$1,300			-	•	-	\$0	
Rental Equipment Fuel		\$100	\$3,145	Surface Co		-		-	\$0	
Water		\$480	\$4,190 \$2,500	Surface Cs Conductor		-		-	\$2,890 \$0	
Drilling Mud & Chemicals			\$2,500	Intermedia		-		-	\$0	
Bits	•		\$4,650	Wellhead E	_	-		-	\$4,000	
Logging (open Hole)	•		\$0	Other Tang		-		-	\$0	
Mud Motor, Down Hole T	ool		\$0	Other Intar		-		-	\$0	
FISHING TOOLS	•		\$0			-		_	\$0	
Total Daily Cost		\$7,210	\$100,255	Cum Cost	S		\$7,260	_	\$112,295	
Dolling Super-				Doc	to .	A		_		
Drilling Supervisor 1	M. A. Confer			Reported	10 1	om your	9			



Sec. 1.16

 Report Date
 3/19/08

 Report Number
 12

	U. Alegan	-								Report Nun	nber	12	2
Well UMT 2					Loc								
Operation Day	/S			12	2 Spud	date and tim	e	3/9/200	08 @ 05:0	San Juan (	County	, NM	
Depth at repor	t time	1085	w/ 8 3/4		Cum	hrs drilling			70 5	Form at rep	port	Menefee	
Present opera	tion	SDON	t, prep t	o start ream	ing at	105'				KB		5	
			TIME					SURVE	Y		DRIL	L STRING	
Drilling	7.00	Hrs	NU\NE	NPOP		Hrs	Depth	Angle		Stnng Wt		25K	M/lbs
Survey	1	- Hrs	Loggin		-	- firs Hrs	545	4.50	Deg	WOB		25K	M/lbs
Rig Service	0.75	Hrs	LDDP\			Hrs	1045	5 00	<b>⊣</b>	Drag UP			M/lbs
Tnp	0.50	Hrs	Run Ca			Hrs	11	1	Deg	Drag Down		ļ	M/lbs
W&R		Hrs	Cmting	-		Hrs			Deg	Max Pull			M/lbs
C&C		Hrs	woc			Hrs			Deg	Rot Torque	2		M/lbs
Rig Repairs		Hrs	Drill cri	nt		Hrs	II 🗔		Deg	RPM (RT/M	IM)	80	]
LD\PU Tools		Hrs	Testing	)		Hrs			Deg	Aır			CFM
Other	0.5					Hrs			Deg	Press		300	PSi
1	To	tal toda	у		9.75	Hrs	<u>                                   </u>	<u> </u>	Deg	Dp	ļ	25	Jts
							<u>'                                    </u>						
l													
						MIID DD	OPERTIES			····			
		·			_	moo Fix	1	_					
Weight	8.		Gel Str	ength			Cake Thic				Calciu		<u> </u>
Funnel Vis	3	5	PH			9.0	Alkalınıty,				Sand		
Plastic Vis			Filtrate			N/C	Alkalınıty,	Filtrate	<u> </u>		Solids		
Yield Point	<u> </u>		API HI	-HP Filt			Chlonde				Water	Cont.	<u> </u>
	enal							Depth	Depth	Footage		Feet per	
	mber	_	Size	Make		Jets	Туре	In	out	Dnlled	Hrs	hour	
4 <u>R</u> T		_	6 1/4	STC		3-14's	RR	1325	1825	520	21.8	23.9	
5 RR	R #2		8 3/4	HTC		14-14-15	09C	365	SIH	940	10.5	89.5	
6		_											
Pump # 1	Gardn	er Den	ver	Liner	5 5	Stroke (m)	10	GPM		SPM	68	Pressure	300
Pump # 2				Liner		Stroke (in)		GPM		SPM		Pressure	
Details. Sei	vice rig	and sa	fety med	eting, RIH, d	Irilling	8 3/4" hole 3	865' to 565'	. wirelin	e survey 4	4 1/2 deg at !	545, dr	illing 8 3/4"	
hole 565' to 10													
Geol (), Mud lo	mar ( ) I	Pennit				Show#	De	pth	Del	I Rate		Gas	
	gger () i Backgro		. [		-	Silow #	De	pın	ייוט	Rate		Gas	
	Connec				-				<del></del>				
	Comico	Trip G	,		-	<del></del>							
		,,,,,											
						co	ST						
Location, Road	 ROWs					\$10,000	Camp, Tr	ash. San		\$50		<b>\$</b> 450	
Pit liner, Fence			-		-	\$2,000	Mud loggi				-	\$0	
Day work Contra	act		-	\$4,660	-	\$57,725	Cement S		_			\$3,250	
Air ng (dnll surf)	30.		-	<u> </u>	-	\$0	Abandonr		-		-	\$0	
Mobilization			-		-	\$5,000	Matenals		es -		-	\$0	
Air			-		-	\$0	Will Head		~ -			\$0	
Supervision	-	\$800	-	\$9,600	BOP Test		-		-	\$1,500			
Contract Labor	-	\$480	-	\$6,085	Inspect ar		.g –	\$550	_	\$550			
Transportation & Hauling						\$1,300			-		_	\$0	
Rental Equipment \$50						\$3,195			_		-	\$0	
Fuel \$480						\$4,670	Surface C	sg	-			\$2,890	
Water \$500					-	\$3,000	Conductor	_				\$0	
Viater \$500 Drilling Mud & Chemicals						\$0	Intermedia	· ·				\$0	
Bits						\$4,650	Wellhead		-			\$4,000	
Logging (open Hole)						\$0	Other Tan		_		_	\$0	
Mud Motor, Dow	***		-	\$0	Other Inta	-	_		_	\$0			
ISHING TOOLS	-		-	\$0		•	_		_	\$0			
Total Daily Cost				\$6,970	_	\$107,225	Cum Cos	ts		\$7,570	_	\$119,865	
<del></del>													
Irilling Supervisi	~~ L	л а с					Reported		tom vouni	_			



 Report Date
 3/20/08

 Report Number
 12

Mobilization         \$5,000         Materials & supplies         \$0           Air         \$0         Will Head Inst         \$0           Supervision         \$800         \$10,400         BCP Test         \$1,500           Contract Labor         \$480         \$6,565         \$550           Transportation & Hauling         \$1,300         \$0           Rental Equipment         \$50         \$3,245         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Drilling Mud & Chemicals         \$0         intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Well UMT 21D		Loc		_	
Time			- '			MM
Drilling				79.25	•	
Dolling   8.75   Hs   NUMDBCP   Hrs   Survey   0.5   Hs   Logarge   Hrs   Rigidance   Hs   Rigidance	r resent operation		ing at 1055	OUD/PV		
Sure		TIME		SURVEY	DRIL	STRING
Rig Service   0.75   Hr   LODP/DC	1 "	-		1		
Trip				<del>                                  </del>		
WASK   His Cinting   Hrs   Childred   Hrs   Calc   G.3   Hrs   WCC   Hrs   Hrs   G.5   Ges   Real   Real   Torque   Milbs   Real   Cope   Real   Torque   Milbs   G.5   Ges   Real   Torque   Milbs   Ges   Real   Torque   Milbs   Ges   Ges   Real   Torque   Milbs   Ges   Ges   Real   Torque   Milbs   Ges   Ges   Ges   Ges   Real   Torque   Milbs   Ges	***************************************	-				
Caccompanies		•		:   <del>  </del>		
Collier						
Color	1 · · -	Hrs Dnll cmt	Hrs	Deg	RPM (RT/MM)	80
Multiple		Hrs Testing				
Weight   S		i i ladan				
Weight   8 7   Gel Strength   9.0   Cake Thickness   Calcium   Flunder Vis   33   PH   9.0   Alkalinity, Mud   Sand Cont   Water Cont	101	al today	11.25 FIS	L Deg	nb [	80 1315
Weight   8 7   Gel Strength   9.0   Cake Thickness   Calcium   Flunder Vis   33   PH   9.0   Alkalinity, Mud   Sand Cont   Water Cont						
Weight   8 7   Gel Strength   9.0   Cake Thickness   Calcium   Flunder Vis   33   PH   9.0   Alkalinity, Mud   Sand Cont   Water Cont						
Funnel Vis			MUD PRO	PERTIES		
Plastic Vis	Weight 8	7 Gel Strength		Cake Thickness	Calciu	n
Dring Bit   Senal   Number						
Dring Bit   Senal   Number   Size   Make   Jets   Type   In   out   Drilled   Hrs   Nour			N/C			
Number	Yield Point	API HI-HP FIR		Chlonde	Water	Cont
Number						
A   RT	1 -	Circ Make	lote			
Pump # 1   Gardner Denver   Liner   5.5   Stroke (in)   10   GPM   SPM   68   Pressure   300						
Pump #1   Gardner Denver   Liner   5.5   Stroke (in)   10   GPM   SPM   SPM   Pressure   300						
Pump # 2						
Pump # 2						
Details: Service rig and safety meeting, RIH, ream 8 3/4" hole 1085' to 1625', wireline survey 5 deg at 1605', ream 8 3/4" hole 1625' to 1665'; circ hole clean, PUH 100' and secure well and SDON      Geol (), Mud logger () Report:   Show # Depth   Drill Rate   Gas	Pump#1 Gardne	er Denver Liner	5 5 Stroke (in)	10 GPM	SPM 68 i	Pressure 300
Show #   Depth   Drill Rate   Gas	Pump # 2	Liner	Stroke (in)	GPM	SPM	Pressure
Show #   Depth   Drill Rate   Gas						
Show # Depth Drill Rate   Gas	Details: Service rig	and safety meeting, RIH, re	eam 8 3/4" hole 108	5' to 1625', wireline survey !	deg at 1605', rean	ı 8 3/4"
COST   Connection Gas						
COST   Connection Gas						
COST   Connection Gas					****	
COST   Connection Gas						
COST   Connection Gas						
COST   Connection Gas		_	<u> </u>			
COST   Connection Gas						
COST   Connection Gas	<u> </u>					
COST   Connection Gas	Geol (), Mud logger () F	Report:	Show#	Depth Dril	l Rate	Gas
COST						
COST	Connect		-			
Cocation, Road & ROW's   \$10,000   Camp, Trash, San   \$50   \$500     Pit liner, Fence   \$2,000   Mud logging   \$50     Day work Contract   \$4,880   \$62,605   Cement Services   \$3,250     Air g		Trip Gas				
Cocation, Road & ROW's   \$10,000   Camp, Trash, San   \$50   \$500     Pit liner, Fence   \$2,000   Mud logging   \$50     Day work Contract   \$4,880   \$62,605   Cement Services   \$3,250     Air g	l <u> </u>		COS			
Pit liner, Fence         \$2,000         Mud logging         \$0           Day work Contract         \$4,880         \$62,605         Cement Services         \$3,250           Air ng (drill surf)         \$5         Abandonment         \$0           Mobilization         \$5,000         Materials & supplies         \$0           Air         \$0         Will Head Inst         \$0           Supervision         \$800         \$10,400         BOP Test         \$1,500           Contract Labor         \$480         \$6,565         \$0         \$550           Transportation & Hauling         \$1,300         \$0         \$0           Rental Equipment         \$50         \$3,245         \$0         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Dnlling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS	Lander Bred & DOME				250	0500
Day work Contract         \$4,880         \$62,605         Cement Services         \$3,250           Air ng (drill surf)         \$0         Abandonment         \$0           Mobilization         \$5,000         Matenals & supplies         \$0           Air         \$0         Will Head Inst         \$0           Supervision         \$800         \$10,400         BOP Test         \$1,500           Contract Labor         \$480         \$6,565         \$550         \$550           Transportation & Hauling         \$1,300         \$0         \$0           Rental Equipment         \$50         \$3,245         \$0         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Drilling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105					\$5U _	
Air ng (drill surf) \$0  Mobilization \$5,000 Materials & supplies \$0  Air \$50  Air \$50  Air \$50  Contract Labor \$480 \$6,565  Transportation & Hauling \$1,300  Rental Equipment \$50 \$3,245  Fuel \$480 \$5,150  Conductor Pipe \$2,890  Drilling Mud & Chemicals \$50  Bits \$4,650 \$0  Edits \$4,650 \$0  Conductor Pipe \$1  Intermediate Csg \$0  Intermediate Csg \$0  Mud Motor, Down Hole Tool Fishling TOOLS \$0  Conductor State \$0  Conductor Pipe \$4,000  Conductor Pipe \$0  Conductor P	Programme and the second secon	\$4,880				
Mobilization         \$5,000         Materials & supplies         \$0           Air         \$0         Will Head Inst         \$0           Supervision         \$800         \$10,400         BCP Test         \$1,500           Contract Labor         \$480         \$6,565         \$550           Transportation & Hauling         \$1,300         \$0           Rental Equipment         \$50         \$3,245         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Drilling Mud & Chemicals         \$0         intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Air ng (drill surf)			_		
Supervision         \$800         \$10,400         BOP Test         \$1,500           Contract Labor         \$480         \$6,565         \$550           Transportation & Hauling         \$1,300         \$0           Rental Equipment         \$50         \$3,245         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Dnilling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Mobilization			· · · · -		
Contract Labor         \$480         \$6,565         \$550           Transportation & Hauling         \$1,300         \$0           Rental Equipment         \$50         \$3,245         \$0           Fuel         \$480         \$5,150         \$urlace Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Dnlling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Air					
Transportation & Hauling         \$1,300         \$0           Rental Equipment         \$50         \$3,245         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Drilling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	'			BOP lest		
Rental Equipment         \$50         \$3,245         \$0           Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Dolling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105		<del></del>		-	<del></del>	
Fuel         \$480         \$5,150         Surface Csg         \$2,890           Water         \$500         \$3,500         Conductor Pipe         \$0           Dnilling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Rental Equipment	\$50				
Dnlling Mud & Chemicals         \$0         Intermediate Csg         \$0           Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Fuel		\$5,150	Surface Csg		
Bits         \$4,650         Wellhead Equip         \$4,000           Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Water					
Logging (open Hole)         \$0         Other Tangible         \$0           Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Drilling Mud & Chemicals			_		
Mud Motor, Down Hole Tool         \$0         Other Intangible         \$0           FISHING TOOLS         \$0         \$0           Total Daily Cost         \$7,190         \$114,415         Cum Costs         \$7,240         \$127,105	Bits					
FISHING TOOLS \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0				-		
Total Daily Cost \$7,190 \$114,415 Cum Costs \$7,240 \$127,105	FISHING TOOLS				<del></del>	
Dnilling Supervisor M. A. Confer Reported to tom young	Total Daily Cost	\$7,190		Cum Costs	\$7,240	
	Dniling Supervisor N	A. A. Confer	.,	Reported to tom young	<del></del>	



150 Me

Report Date 3/21/08
Report Number 14

Well UMT 2	21D		Lo	С							
Operation Day				oud date and tim	e	3/9/200	8 @ 05:0	San Juan	County	, NM	
				5 Cum hrs drilling 81.5				- · · · · · · · · · · · · · · · · · · ·			
Present opera	stion RU	csg crew and	PU and rur	1 7" 23# J-55 LT	&C csg			КВ			5
		TIME			,	SURVE	Υ		DRIL	L STRING	
Dailing	2.25 Hrs	NU\ND\BO	P	Hrs	Depth	Angle		String Wt		35K	M/lbs
Survey	0.25 Hrs	Logging	_	Hrs	545	4.50	Deg	WOB		20K	M/lbs
Rig Service	0 50_ Hrs	LDDP\DC	_	.25 Hrs	1045	5.00	Deg	Drag UP			M/lbs
Tnp	Hrs	Run Casing	'. —	Hrs	1605	5.00	Deg	Drag Down		<u> </u>	M/lbs
W&R C&C	U.8 Hrs	Cmting WOC	_	— Hrs	1805	5.00	Deg	Max Pull			M/lbs M/lbs
Rig Repairs	Hrs	Dnll cmt					Deg Deg	Rot Torque RPM (RT/M		80	- IVIIIDS
LD\PU Tools	Hrs	Testing	_	— Hrs	Ⅱ─┤	<u> </u>	Deg	Air	,		CFM
Other	0 75			Hrs		<b></b>	Deg	Press		300	PSI
	Total tod	ay	9	.00 Hrs			Deg	Dp		88	Jts
	<del></del>										
İ											
L											
				MUD PRO	PERTIES						
Weight	8 7	Gel Strengt	h 🗀		Cake Thick	kness			Calciu	ım	
Funnel Vis	35	PH		9.0	Alkalınıty, i	Mud			Sand	Cont.	
Plastic Vis		Filtrate API		N/C	Alkalınıty, İ	Filtrate				Cont	
Yield Point	L	API HT-HP	Filt [		Chlonde		L		Water	Cont.	ـــــا
	Senal					Depth	Depth	Footage		Feet per	
	ımber		Make	Jets	Туре	In	out	Drilled	Hrs	hour	٦
4 RT			STC	3-14's	RR	1325	1825	520	21.8	23.9	-
	R #2	8 3/4	HTC	14-14-15	09C	365	SIH	1,680	21.5	78.1	1
6			<del></del>			<u></u>	<u></u>		<u> </u>		J
<u></u>	0			- 0. 1 / 1	40	0014		2014			
Pump # 1 Pump # 2	Gardner De	nver Line		5 Stroke (in) Stroke (in)	10	GPM GPM		SPM SPM	68	Pressure Pressure	300
Tulip#2				Stroke (iii)		. GF W		JI W		FIESSUIE	
D		• • • • •		0.0/40 1 1 400	51 400F						
				8 3/4" hole 166 tight, had some							<del></del>
run csg, secur			Julia very	tigitt, nad some	tigitt flore	20 0,11	Jonom ai	10 00-00 011	DOLLOR	ii, RO 10	
l sin dog, data.		<u> </u>									
ļ											
				-							
							-				
Geol (), Mud lo	ogger ( ) Repor	۲		Show#	Dej	pth	Dril	! Rate		Gas	
(7.	Background G										
	Connection G	as									
	Tnp	Gas									
				COS	ST						
Location, Road	& ROWs			\$10,000	Camp, Tra	sh, San.		\$150		\$650	
Pit liner, Fence				\$2,000	Mud loggir		_		_	\$0	
Day work Contra			\$3,900	\$66,505	Cement S		_		_	\$3,250	
Air ng (dnll surf)	)			\$0	Abandonn		_		_	\$0	
Mobilization Air				\$5,000 \$0	Matenals & Will Head		-s		-	\$0	
Supervision			\$800	\$11,200	BOP Test	mst.	-		-	\$0 \$1,500	
Contract Labor		_	\$480	\$7,045			-		-	\$550	
Transportation &	& Hauling		<del></del>	\$1,300			-		-	\$0	
Rental Equipme	ent		\$50	\$3,295			_		_	\$0	
rtuntor Equiprite			\$480	\$5,630	Surface Cs	sg	_		_	\$2,890	
							_				
Fuel Water			\$500	\$4,000	Conductor		_		-	\$0	
Fuel Water Dniling Mud & C	Chemicals		\$500 \$2,500	\$4,000 \$2,500	Conductor Intermedia	te Csg	_		_	\$0 \$0	
Fuel Water Drilling Mud & C Bits				\$4,000 \$2,500 \$4,650	Conductor Intermedia Wellhead E	te Csg Equip.	-		-	\$0 \$0 \$4,000	
Fuel Water Dnilling Mud & C Bits Logging (open H	tole)	-		\$4,000 \$2,500 \$4,650 \$0	Conductor Intermedia Wellhead E Other Tang	te Csg Equip. gible	- - -		-	\$0 \$0 \$4,000 \$0	
Fuel Water Drilling Mud & C Bits Logging (open H Mud Motor, Dow	tole) vn Hole Tool			\$4,000 \$2,500 \$4,650 \$0	Conductor Intermedia Wellhead E	te Csg Equip. gible	- - - -		- - -	\$0 \$0 \$4,000 \$0 \$0	
Fuel Water Dniling Mud & C Bits Logging (open H Mud Motor, Dow FISHING TOOL: Total Daily Cost	tole) vn Hole Tool S			\$4,000 \$2,500 \$4,650 \$0	Conductor Intermedia Wellhead E Other Tang	te Csg Equip. gible ngible	- - - -	\$8,860	- - - -	\$0 \$0 \$4,000 \$0	



Report Date	3/22/08
Report Number	15

	N. Carrie									Report Nun	nber	1:	
Well UMT 2					Loc								
Operation Day	~~~~~~~			16		ate and tim		3/9/200	8 @ 05:0	– San Juan (	`nuntv	NM.	
Depth at repor					_ `			0/5/200	81.5	Form at re		Upper Man	205
			omplete	1825 Cum hrs dnlling te, released rig at 1615 hrs 3/22/2008			2008		01.5	KB	purt	5	
Fresent opera	li Dri	300 0	Jiiiprete	z, releaseu ii	y at ion	J 1115 JIZZI	2000			NB			
			TIME				-	SURVE	Υ		DRIL	L STRING	
Drilling		Hrs	NU\N[	OIBOB	0.75	Hrs	Depth	Angle		String Wt			M/lbs
Survey		Hrs	Loggin			Hrs	Depart	- Aligie	Deg	WOB		<del> </del>	M/lbs
	0.50	-		-					Deg	Drag UP		<del></del>	M/lbs
Rig Service	0.50	Hrs	LDDP			Hrs	111	-	- 1			-	-
Tnp		Hrs	Run C	-		Hrs	!!⊢—	<u> </u>	Deg	Drag Down		<b></b>	M/lbs
W&R		Hrs	Crnting	3		Hrs	<del>  </del>	_	Deg.	Max Pull			M/lbs
C&C		Hrs	woc			Hrs	II	<u></u>	Deg	Rot. Torque			M/lbs
Rig Repairs		Hrs	Dnll cn			Hrs			Deg	RPM (RT/M	IM)		4
LD\PU Tools		Hrs	Testing	•		Hrs	ШШ		Deg	Air			CFM
Other			RD Dn	illing Rig		Hrs	ш	<u> </u>	Deg	Press			PSI
l	Tota	al today	/		9.25	drs			Deg	Dρ		Ĺ	Jts
<u> </u>							J L		لــــــــــــــــــــــــــــــــــــــ	<u> </u>			
-						MIID PR	OPERTIES						
						WOD TIC	OF ENTILE						
Weight	8.	7	Gel Str	ength			Cake Thic	kness			Calciu	ım	
Funnel Vis	35	;	PH			9.0	Alkalınıty,	Mud			Sand	Cont	
Plastic Vis			Filtrate	API		N/C	Alkalinity,	Filtrate			Solids	Cont.	
Yield Point			•	-HP Filt			Chlonde				Water	Cont	
L							,				, 		
	enal							Depth	Depth	Footage		Feet per	
Number Nu	mber		Size	Make	_	Jets	Туре	<u>In</u>	out	Dnlled	Hrs	hour	_
4 RT			6 1/4	STC	_	3-14's	RR	1325	1825	520	21.8	23.9	
5 RR	#2	_	8 3/4	HTC	_	14-14-15	09C	365	1825	1,680	21.5	78.1	1
6		_	<del>6 3</del>			15 15 15			<del> </del> -	.,		70	l
·											لسسا		l 
Pump # 1	Gardne	r Den	ver	Liner	5.5_S	Stroke (in)	10	GPM		SPM		Pressure	
Pump#2				Liner	s	troke (in)		GPM		SPM		Pressure	
				<u> </u>							_		
				eting, RU Sa									
23# J-55 LT&C													
through bridge	no prob	lems,	pumped	sweep at 1	802° and	landed cs	g on hang	er at 180	7' and tes	sted hanger	to 1500	0K,	
RU Superior W	ell Servi	e and				ols DustFlu	sh, 5 bbls	water fo	ollowed b	y 147 sks 65	/35 std	poz	
w/ 6% gel, 5 pp	s gilsoni		pumpe	d 5 bbls wat	ter, 10 bt					100 sks std	1-01	cacl2	
						t 12.3 ppg		eild, foll	lowed by		w/ 2%		
5 pps gilsonite		te and	1/4 pps	s superflake	mixed a		with 1.94 y					lug w/	
5 pps gilsonite	and 1/4	te and pps su	1/4 pps perflak	s superflake e mixed at 1:	mixed a 5 2 ppg v	with 1.27 y	with 1.94 y eild, displa	ced with	h 71.6 bbl	s water, bun	nped p		
5 pps gilsonite 1500#, float he	and 1/4 ld OK, ci	te and pps su c 18 b	1/4 pps perflak bls cem	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 your	with 1.94 y eild, displa down land	ced with	h 71.6 bbl	s water, bun	nped p		
5 pps gilsonite	and 1/4 ld OK, ci	te and pps su c 18 b	1/4 pps perflak bls cem	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 your	with 1.94 y eild, displa down land	ced with	h 71.6 bbl	s water, bun	nped p		
5 pps gilsonite 1500#, float he	and 1/4 ld OK, ci	te and pps su c 18 b	1/4 pps perflak bls cem	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 your	with 1.94 y eild, displa down land	ced with	h 71.6 bbl	s water, bun	nped p		
5 pps gilsonite 1500#, float he	and 1/4 ld OK, ci	te and pps su c 18 b	1/4 pps perflak bls cem	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 your	with 1.94 y eild, displa down land	ced with	h 71.6 bbl	s water, bun	nped p		
5 pps gilsonite 1500#, float he NU tbg head w	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b nnet a	1/4 pps perflak bls cem	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 years and lay	with 1.94 y eild, displa down land	iced with ding Jt, I SDON.	n 71.6 bbi	s water, bun services Ri	nped p	nd ND BOP	
5 pps gilsonite 1500#, float he NU tbg head w Geol (), Mud lo	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b nnet a	1/4 pps perflak bls cem ind bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 your	with 1.94 y eild, displa down land	ced with	n 71.6 bbi	s water, bun	nped p		
5 pps gilsonite 1500#, float he NU tbg head w Geol (), Mud lo	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b ennet a eport and Gas	1/4 pps perflak bls cem and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 years and lay	with 1.94 y eild, displa down land	iced with ding Jt, I SDON.	n 71.6 bbi	s water, bun services Ri	nped p	nd ND BOP	
5 pps gilsonite 1500#, float he NU tbg head w Geol (), Mud lo	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 years and lay	with 1.94 y eild, displa down land	iced with ding Jt, I SDON.	n 71.6 bbi	s water, bun services Ri	nped p	nd ND BOP	
5 pps gilsonite 1500#, float he NU tbg head w Geol (), Mud lo	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b ennet a eport and Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 years and lay	with 1.94 y eild, displa down land	iced with ding Jt, I SDON.	n 71.6 bbi	s water, bun services Ri	nped p	nd ND BOP	
5 pps gilsonite 1500#, float he NU tbg head w Geol (), Mud lo	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 years and lay	with 1.94 y eild, displa down land	iced with ding Jt, I SDON.	n 71.6 bbi	s water, bun services Ri	nped p	nd ND BOP	
5 pps gilsonite 1500#, float he NU tbg head w Geol (), Mud lo	and 1/4 ld OK, cir oth B-I bo	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 years and lay	with 1.94 y eild, displa down land d well and	iced with ding Jt, I SDON.	n 71.6 bbi	s water, bun services Ri	nped p	nd ND BOP	
5 pps gilsonite 1500#, float hel NU tbg head w Geol ( ), Mud Id	and 1/4 Id OK, cianth B-I bo	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 year and lay ve, secured Show#	with 1.94 y eild, displa down land d well and De	iced with	n 71.6 bbi	s water, bun services Ri	nped p	Gas	
5 pps gilsonite 1500#, float hel NU tbg head w Geol ( ), Mud lo	and 1/4 Id OK, cianth B-I bo	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 y. ior and lay ve, secured Show #	with 1.94 y eild, displa down lanid d well and De ST	iced with ding Jt, SDON.	n 71.6 bbi	s water, bun services Ri	nped p	Gas \$700	
5 pps gilsonite 1500#, float hel NU tbg head w Geol (), Mud lo Location, Road of	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mrxed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	with 1.27 yror and layve, secured Show#  CO: \$10,000 \$2,000	with 1.94 y eild, displa down land d well and De ST Camp, Tr. Mud loggi	ced withdrag Jt, SDON.  pth  ash, San	n 71.6 bbi	s water, bun services Rij	nped p	Gas \$700 \$0	
5 pps gilsonite 1500#, float he NU tbg head w  Geol (), Mud lo	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R	mixed a 5 2 ppg v D Super	with 1.27 y. ior and lay ve, secured Show #	with 1.94 y eild, displa down lanid d well and De ST	ced withdrag Jt, SDON.  pth  ash, San	n 71.6 bbi	s water, bun services Ri	nped p	Gas \$700	
5 pps gilsonite 1500#, float hel NU tbg head w Geol (), Mud lo Location, Road of	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mrxed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show #  CO: \$10,000 \$2,000 \$70,515 \$0	with 1.94 y eild, displa down land d well and De ST Camp, Tr. Mud loggi	pth  ash, San ng ervices	n 71.6 bbi	s water, bun services Rij	nped p	Gas \$700 \$0	
5 pps gilsonite 1500#, float he NU tbg head w  Geol (), Mud lo	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mrxed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show #	with 1.94 yeild, display down land d well and  De  ST  Camp, Tri Mud loggi Cement S	pth  ash, San ng ervices nent	Dril	s water, bun services Rij	nped p	Gas \$700 \$0 \$12,110	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Location, Road Pit liner, Fence Day work Contra Air ng (drill surf)	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mrxed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show #  CO: \$10,000 \$2,000 \$70,515 \$0	with 1.94 y eild, disple down land d well and  De  ST  Camp, Tr. Mud loggi Cement S  Abandonn	pth  ash, San ng ervices nent & supplie	Dril	s water, bun services Rij	nped p	Gas  \$700 \$0 \$12,110 \$0	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Location, Road a Prt liner, Fence Day work Contra Ar rig (drill surf) Mobilization	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mrxed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ye, secured Show # CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000	with 1.94 yeild, display down land display down land display and display to the second	pth  ash, San ng ervices nent & supplie	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$5	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Location, Road i Pit liner, Fence Day work Contra Arr ng (drill surf) Mobilization Air Supervision	and 1/4 Id OK, cir ith B-I bo ogger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	Show#  CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$12,000	with 1.94 yeild, display down land display down land display to the land display to th	pth  ash, San ng ervices nent & supplie	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$850 \$1,500	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol ( ), Mud lo  Location, Road e Pit liner, Fence Day work Contra Air ng (drill surf) Mobilization Air Supervision Contract Labor	and 1/4 Id OK, cir th B-I bo  pagger ( ) R  Backgrou  Connect  & ROWs	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show # CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$12,000 \$9,065	with 1.94 yeild, display down land display down land display to the land display to th	pth  ash, San ng ervices nent & supplie	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$850 \$1,500 \$550	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Location, Road a Prt liner, Fence Day work Contra Arr ng (drill surf) Mobilization Aur Supervision Contract Labor Transportation &	and 1/4 Id OK, cirth B-I bo orgger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  \$4,010  \$800 \$2,020	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show # CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$0 \$12,000 \$9,065 \$1,300	with 1.94 yeild, display down land display down land display to the land display to th	pth  ash, San ng ervices nent & supplie	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$12,110 \$0 \$150 \$150 \$1,500	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol ( ), Mud lo  Location, Road a Ptl liner, Fence Day work Contra Air ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipmer	and 1/4 Id OK, cir inth B-I bo regger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show # CO: \$10,000 \$2,000 \$70,515 \$5,000 \$12,000 \$9,065 \$1,300 \$3,775	with 1.94 yeild, display down land display down land display land land land land land land land land	pth  ash, San  gervices  ment & supplie  Inst	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$15,500 \$1,500 \$50 \$50	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol ( ), Mud lo  Location, Road e Pit liner, Fence Day work Contra Air ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipmei	and 1/4 Id OK, cir inth B-I bo regger ( ) F Backgrou Connect	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  \$4,010  \$800 \$2,020	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	with 1.94 y eild, disple r down land d well and  De  ST  Camp, Tr  Mud loggi Cement S  Abandans Matenans Will Head BOP Test	iced withing Jt, Issue Jt,	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$12,110 \$0 \$850 \$1,500 \$550 \$0 \$2,890	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol ( ), Mud lo  Geol ( ), Mud lo  Location, Road e Pit liner, Fence Day work Contra Air ng (drill surf) Mobilization Air ng (drill surf) Transportation & Rental Equipmer Fuel Water	and 1/4 Id OK, cirith B-I bo orgger ( ) F Backgrou Connect & ROWs act	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show # \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	with 1.94 y eild, disple r down land d well and  De  ST  Camp, Trr  Mud loggi Cement S  Abandonn Matenals Will Head BOP Test  Surface C Conductor	iced withing Jt, It is specified with the specified within the specified	Dril	s water, bun services Ris	nped p	\$700 \$0 \$12,110 \$0 \$152,110 \$0 \$1550 \$550 \$0 \$2,890 \$0	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Location, Road a Prt liner, Fence Day work Contra Arr ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipment Fuel Water Dnilling Mud & C	and 1/4 Id OK, cirith B-I bo orgger ( ) F Backgrou Connect & ROWs act	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	Show #  CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$9,065 \$1,300 \$9,065 \$1,300 \$3,775 \$6,110 \$4,000 \$2,500	with 1.94 y eild, display of down land d well and  De  ST  Camp, Tra Mud loggia Cement S Abandonn Matenals Will Head BOP Test  Surface C Conductor Intermedia	ash, San  gervices  ash, San  gervices  ent  structure  gervices	Dril	s water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$12,110 \$0 \$850 \$1,500 \$550 \$0 \$2,890 \$0 \$24,180	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol ( ), Mud lo  Geol ( ), Mud lo  Location, Road e Pit liner, Fence Day work Contra Air ng (drill surf) Mobilization Air ng (drill surf) Transportation & Rental Equipmer Fuel Water	and 1/4 Id OK, cirith B-I bo orgger ( ) F Backgrou Connect & ROWs act	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show # \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	with 1.94 y eild, disple r down land d well and  De  ST  Camp, Trr  Mud loggi Cement S  Abandonn Matenals Will Head BOP Test  Surface C Conductor	ash, San  gervices  ash, San  gervices  ent  structure  gervices	Dril	s water, bun services Ris	nped p	\$700 \$0 \$12,110 \$0 \$152,110 \$0 \$1550 \$550 \$0 \$2,890 \$0	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Location, Road a Prt liner, Fence Day work Contra Arr ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipment Fuel Water Dnilling Mud & C	and 1/4 Id OK, cirth B-I bo ogger ( ) F Backgrou Connect & ROW's act  Hauling nt hemicals	te and pps su c 18 b nnet a eport nd Gas on Gas	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	Show #  CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$9,065 \$1,300 \$9,065 \$1,300 \$3,775 \$6,110 \$4,000 \$2,500	with 1.94 y eild, display of down land d well and  De  ST  Camp, Tra Mud loggia Cement S Abandonn Matenals Will Head BOP Test  Surface C Conductor Intermedia	iced with the property of the	Dril	s water, bun services Ris	nped p	\$700 \$0 \$12,110 \$0 \$12,110 \$0 \$850 \$1,500 \$550 \$0 \$2,890 \$0 \$24,180	
5 pps gilsonite 1500#, float hel NU tbg head w Geol (), Mud lo Geol (), Mud lo Location, Road e Ptl liner, Fence Day work Contra Air ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipment Fuel Water Dnilling Mud & C Bits	and 1/4 Id OK, cirth B-I bo orgger ( ) F Backgrou Connect & ROW's act Hauling ht hemicals	te and pps su ce 18 b onnet a ceport and Gas on Gas Trip Ga	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	with 1.27 yr or and lay ve, secured Show # CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$12,000 \$12,000 \$3,775 \$6,110 \$4,000 \$2,500 \$4,650	with 1.94 yeild, display displ	iced with ding Jt, I SDON.  SDON.  SDON.  SDON.  SDON.  SSON.  il	s water, bun services Ris	nped p	\$700 \$0 \$12,110 \$0 \$15,100 \$5 \$5 \$5 \$5 \$5 \$0 \$2,890 \$24,180 \$4,000		
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Geol (), Mud lo  Location, Road e  Pit liner, Fence Day work Contra Air ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipmei Fuel Water Drilling Mud & C Bitts Logging (open H Mud Motor, Dow	and 1/4 Id OK, cirith B-I bo orgger ( ) F Backgrou Connect  & ROWs act  Hauling int hemicals lole) in Hole To	te and pps su ce 18 b onnet a ceport and Gas on Gas Trip Ga	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super	Show #  CO: \$10,000 \$2,000 \$2,000 \$2,000 \$2,000 \$12,000 \$12,000 \$12,000 \$12,000 \$12,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$3,775,515 \$0,000 \$2,000 \$3,775,515 \$0,000 \$3,775,515 \$0,000 \$3,775,515 \$0,000 \$3,755,500 \$4,000 \$2,500 \$4,000 \$2,500 \$4,000 \$2,500 \$3,000 \$3,000 \$3,000 \$4,000	with 1.94 y eild, disple r down land d well and  De  ST  Camp, Tra Mud logging Cement S Abandans Matenals BOP Test  Surface C Conductor Intermedia Wellhead Other Tan	iced with ding Jt, I SDON.  SDON.  SDON.  SDON.  SDON.  SSON.  il	s water, bun services Ris	nped p	\$700 \$0 \$12,110 \$0 \$850 \$15,500 \$50 \$2,890 \$24,180 \$4,000 \$50		
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Geol (), Mud lo  Pit liner, Fence Day work Contra Arr ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipment Fuel Water Dnilling Mud & C  Bits -ogging (open H Mud Motor, Dow	and 1/4 Id OK, cirith B-I bo orgger ( ) F Backgrou Connect  & ROWs act  Hauling int hemicals lole) in Hole To	te and pps su ce 18 b onnet a ceport and Gas on Gas Trip Ga	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  " \$4,010  \$800 \$2,020 \$480	mixed a 5 2 ppg v D Super- sedle val-	Show #  CO: \$10,000 \$2,000 \$70,515 \$0 \$5,000 \$9,065 \$1,300 \$9,065 \$1,300 \$3,775 \$6,110 \$4,000 \$2,500 \$4,650 \$0 \$0 \$0 \$1,000 \$2,500	with 1.94 y eild, disple r down land d well and  De  ST  Camp, Trr Mud loggi Cement S Abandonn Materials Will Head BOP Test  Surface C Conductor Intermedia Weilhead Other Tan- Other Intal	ash, San pth  ash, San pervices ent & supplie inst  Sg Pipe tie Csg cquip	Dril	\$ water, bun services Rij	nped p	\$700 \$0 \$12,110 \$0 \$12,110 \$0 \$50 \$1,500 \$50 \$2,890 \$2,890 \$2,4180 \$4,000 \$50	
5 pps gilsonite 1500#, float hel NU tbg head w  Geol (), Mud lo  Geol (), Mud lo  Location, Road e  Pit liner, Fence Day work Contra Air ng (drill surf) Mobilization Air Supervision Contract Labor Transportation & Rental Equipmei Fuel Water Drilling Mud & C Bitts Logging (open H Mud Motor, Dow	and 1/4 Id OK, cirith B-I bo orgger ( ) F Backgrou Connect  & ROWs act  Hauling int hemicals lole) in Hole To	te and pps su ce 18 b onnet a ceport and Gas on Gas Trip Ga	1/4 pps perflak bls cerr and bull	s superflake e mixed at 1: nent to pit, R plug with ne  * \$4,010  \$2,020  \$480	mixed a 5 2 ppg v D Super- sedle val-	Show #  CO: \$10,000 \$2,000 \$2,000 \$2,000 \$2,000 \$12,000 \$12,000 \$12,000 \$12,000 \$12,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$3,775,515 \$0,000 \$2,000 \$3,775,515 \$0,000 \$3,775,515 \$0,000 \$3,775,515 \$0,000 \$3,755,500 \$4,000 \$2,500 \$4,000 \$2,500 \$4,000 \$2,500 \$3,000 \$3,000 \$3,000 \$4,000	with 1.94 y eild, disple r down land d well and  De  ST  Camp, Tra Mud logging Cement S Abandans Matenals BOP Test  Surface C Conductor Intermedia Wellhead Other Tan	ash, San pth  ash, San pervices ent & supplie inst  Sg Pipe tie Csg cquip	Dril	s water, bun services Ris	nped p	\$700 \$0 \$12,110 \$0 \$850 \$15,500 \$50 \$2,890 \$24,180 \$4,000 \$50	