### **DAILY DRILLING REPORT**

Operato	or:	Rosetta	Resou	rces, Inc.		<del></del>							
Well	Name:	Tsah Tah	SW() #1	1		Con	tractor		R	pt#	Tim	le l	Pate
Loca	ation:	Sec. 11, T2	24N, R10	0W, San Ju	an, NM	D&J	Drilling -	Rig #2		1	6:00	0:00 AM	1/19/2007
Present	Operation	Depth		Footag	e		Forma	tion		Last Casing			Est TD
Drillir	ng R/M	}					Nacimie	nto				7	-7/8" - 4500'
Bit No.	Size	Make	Туре	Jets	Depth In	Depth Out	Ft.	Hrs.	RF	PM M	Wt.	м	Condition
													· - · · · · · · · · · · · · · · · · · ·
Mud Wt.	Vis	WL	PV/YP	Gels	PH	SND	% QII	Solids %	ln/Out		FC	/32	Other
Spud											FC/32		
Pump	Size	Stroke		SPM	GPA	А	PSI		Annul	ar Vel DP & DC			Other
1	6.5"	7"		96	2	75	1800						
2		·		İ	<u> </u>		·						·
вна:							·				·		
Time Br	eakdown												
IOL RU:		23 hi	rs	Gementing:				Surveys:				Dev	viation Surveys
rilling;				Trips (LDDP	& DC's);	<u> </u>		Logging:				Depti	Degree
irculation	:			Run Casing:				woc:					
U and ND:	:			Rig Serv./Sfty	Mtg:			Drill Cement					
riii Rat/Mc	ouse:	1.0 h	rs	Rig Repairs:				Misc:			· · · · · · · · · · · · · · · · · · ·		
Costs		<del> </del>				r	<del></del>	r <del>i</del>					
aily Costs	4	Daily		Cum				Daily		Cum			
D,Loc,Per	mits	\$14,500		\$14,500		Well Head							
ig		\$9,500		\$9,500		Bits							
asing						Logging					·		
ement						Supervision		\$800		\$800			<del></del>
ater		\$4,500		\$4,500		Trucking		\$24,500		\$24,500			
iel		\$8,029		\$8,029		Rentals		\$550		\$550			
ud						Misc		<u> </u>					
asing Crev	N				i	Total		\$62,379	Į	\$62,379			

Details

Road rig and equipment from Calkins Oil Co location (~65 mi rig move). Move on location and rig up. Mix mud and start drilling rat and mouse holes at report time.

Oil Conservation Division
Case No.
Exhibit No.

#### DAILY DRILLING REPORT

Operate	or:	Rosetta	Resou	rces, Inc.							
Well	Name:	T,sah Tah	SW[) #1	1		Con	tractor		Rpt#	Time	Date
Loc	ation:	Sec. 11, T	24N, R10	)W, San Ju	an, NM	D&J	Drilling -	Rig #2	2	6:00:00 AM	1/20/2007
Present	Operation	Depth		Footag	1		Forma	tion	Last Casing		Est TD
Dri	illing	700'		700'		 	Vacimier	nto	13-3/8" - 85	5' 7	-7/8" - 4500'
Bit No.	Size	Make	Туре	Jets	Depth In	Depth Out	Ft.	Hrs,	RPM	Wt. M	Condition
1 .	17-1/2"	нтс	used	3/14's	0	88'	88'	2.00	85	All	Good
_ 2	12-1/4"	HTC	E4104	3/14's	85'	Inc.	615'	5.50	80	40K	
Mud Wt.	Vis	WL	PVIYP	Gels	РН	SND	% Oil	Solids %	In/Out	FC/32	Other
water/poly											
Pump	Size	Stroke		SPM	GPI	А	PSI		Annular Vel DP & DC		Other
1	6.5"	7"		130	. 2	75	750				
2		<u> </u>								· · · · · · · · · · · · · · · · · · ·	
BHA:			100000000000000000000000000000000000000								
	reakdown	·						1			
MOL RU:				Cementing:		0.51		Surveys;	0.5 hr	s De	viation Surveys
Orilling:		7,5 h		Trips (LDDP &	k DC's):	1.01	•	Logging:		Dept	
Circulation		0.5 h	rs	Run Casing:		1.0 }	nrs	WOC:	10.5 h	rs 507	3/4°
NU and ND Drill Rat/Mo		2.5 h	rc	Rig ServJSfty Rig Repairs:	Mtg:			Drill Cement: Misc:			
Costs	ouse.	2.911	13	Kiy Kepairs.		I		wiist.	I		
Daily Costs	1:	Daily		Cum				Daily	Çum	<del></del>	<del></del>
₹D,Loc,Per	rmits			\$14,500		Well Head					
Rig		\$13,500		\$23,000		Bits		\$2,850	\$2,850		
Casing		\$1,988		\$1,988		Logging					
Zement		\$5,102		\$5,102		Supervision		\$800	\$1,600		
Vater		\$1,200		\$5,700		Trucking		\$1,750	\$26,250		
uel		\$4,876		\$12,905		Rentals		\$150	\$700	· · · · · ·	
Mud		\$1,200		\$1,200		Misc					<del> </del>
Casing Too	s	\$550		\$550		Total		\$33,966	\$96,345	<del></del>	

**Details** 

Finish drilling rat/mouse holes. Drill 17-1/2" hole to 88' for 13-3/8" conductor pipe. Ran 2 jts of 13-3/8", 24#, J-55 conductor pipe. Bottom of pipe at 85' KB. RU Key Pressure Pumping Services and cement w/ 115 sx (136 cu.ft.) of Type V cement w/ 3% CaCl2 & 1/4#/sx of cello-flake. Displace cement w/ 9.1 bbls of water and SI holding 150 psi. WOC. Cut off conductor pipe below rig floor and weld 8-5/8" pipe on to conductor pipe for flowline. Weld 2" nipple and ball valve on to conductor pipe at ground level. TIH w/ bit #2 (12-1/4", HTC, E4104). Tag cement at 62'. Break circulation and drill out cement. Spud 12-1/4" surface hole at 00:00 1/20/07. Continue drilling w/ water and polymer. ROP  $\sim$  60 fph. Drilling at 700' at report time

## WALS HEROMETRING & PRODUCTION CORP.

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### DAILY DRILLING REPORT

Oper-fo	yr:	Rosetta	Rescu	rces, Inc.									
ion and pr	deres	Tyan Tan				Con	tractor		R	pt#	Tim	e e	Date
DWW SAME		Sec 11, T2			an, NM	D&J	Drilling -	Rig #2		3	6:00	0:00 AM	1/21/2007
Fresent	Operation	Depth		Footag	е		Forma	tion		Last Casing		Es	t TD
Runnin	g Casing	1425		725'	•		Kirtland	<u> </u>		13-3/8" - 85	,	7-7,	/8" - 4500'
Bit No.	Sīze	Make	Type	Jets	Depth in	Depth Out	Ft.	Hrs.	R	PM .	Wt.	M	Condition
2	12-1/4"	HTC	E4104	3/14's	85'	1425'	1340'	20.00		80	4	0K	
													~~~
. Ave. Yve.	Vic	17/2	PWYP	Gels	РН	SND	% OII	Solids %	in/Ou		FC/	32	Other
8.8	52	10.3	a e e e		11.5				ananakai kasa		19.60mm		
		103		SPM	GPA	4	PSI		Annul	ar Vel DP & DC			Other
	<u>5.5'</u>			130	4	25	.800	<u> </u>					
		<u> </u>			<u>L</u>	<del></del>		L					
		b, shock sub	: <u>[] ea.</u>	6-1/4" DC's	s, 4 ea. HV	VDP TB	HA Leng	jth: 753.13'					
The state of the state of				<del> </del>		Ī		T		i i			
	6 4 July 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	}	<b>4</b>	Cementing:				Surveys:		0.5 hrs	5		tion Surveys
Diffley.		,4,01		Trips:		1.01		Logging:				Depth	Degree
Circulations		2.0 n		Run Casing:		0.51	nrs	WOC:				1000'	1°
NU and ND Coll Ratific	,	<u></u>		Rig ServJSfty		1.0 l		Drill Cement:		45		<del></del> -	
Contraction of the Contraction o	9656			Cut off condu	ictor bibe	1.01	110	Mud up:		4.5 hrs			
Daily Costs		Dailly		Cum		<del>- C. H. M. H. H. H.</del>		Daily		Cum			
RD Lcc,Pen	7275. 713 8668.)		Andrew Period Consider	\$14,500		Well Head							
TT 379 14089		31 ,50		\$36,500		Bits				\$2,850			
Casing				\$1,988		Logging							
Grit. p.r.				\$5,102		Supervision		\$800		\$2,400			
Orașiei		a (,250		\$6,900		Trucking				\$26,250			
· .	ر ق دونچشت در سد	· · · · · · · · · · · · · · · · · · ·		\$12,905		Rentals		\$550		\$1,250			
		الأكام والمالية		\$2,400		Misc		\$1,200		\$1,200			<del></del>
Casing Tool		v shrakmandri v strimti stve ( ) ()		\$550		Total		\$18,450		\$1.14,795			

Continue drilling about 4 water and polymer to 1255'. Started having hole stability problems, work pipe the and pull up to 1133' and circulate/rotate while mudding up. Brought viscosity up to ~50 and water loss to ~10. Continue drilling. TD surface hole at 1425' at 02:30 hrs 1/21/07. Circulate hole clean water 10.11. Cut off conductor pipe ~ 2' below ground level. RU San Juan Casing crew, hold safety meeting at 1 start running 8-5/8' casing. Running casing at report time. Casing and cementing details on tomorrows report.

#### DAILY DRILLING REPORT

			-	ces, Inc.			22.00.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.00 (100.		<b>1</b> 000000000	**************************************	zie ir ie ie i		22/03/2020	X.X.X.385555555
الراج الله الراج الله الله الله الله الله الله الله ال	Marina Marina	Tight Tulk	<u>81.15719</u>			Con	Dacioi		F	lpt#	Tim	e		Date
Loc	ation.	Sec. 11, T2	24N, R10	W, San Ju	an, NM	D&J	Drilling -	Rig #2		4	6:00	:00 AM	1/	22/2007
Present	Operation	Depth		Footag	0		Formal	tion		Last Casing			Est TD	
Dri	illing	1822'		397'			Lewis			8-5/8" - 140	8'	.7	-7/8" -	4500'
Bit No.	\$ize	Male	Ye	Jets	Depth in	Depth Out	Ft.	Hrs.	R	РМ	Wt.	M	Ço	ondition.
3	7-7/8"	HTC	GT-803	3/13's	1425'	Inc.	397'	4.50		80	4	0K		
	!   	and against a subsequence of the state and again, again, again as the												
Line AVL	fis «	5A.	la colettá de	Gels	PH	SND	% Oil	Solids %	ln/Ou		FCI	32	0	ther
vateripoly														
· · · · ·		\$ 340		SPM	GPA	A	PSI		Annu	lar Vel DP & DC			o	ther
	55	The second secon		130	3	85	1400							
	1		Ť		T									
B/(A:	Bit, bit sub	, shock sui	b.100a.	6-1/4" DC's	, 4 ea. HV	VDP TB	HA Leng	th: 753.13'			_			
			b.11 ca.	6-1/4" DC's	L s, 4 ea. HV	VDP TB	HA Leng	th: 753.13'						
Time E	reakdowa			6-1/4" DC's	 s, 4 ea. HV	VDP TBI		th: 753.13'		0.5 hrs	s	De	viation	Surveys
Time El puat	reakdowo				L s, 4 ea. HV	l .	าเล	Г		0.5 hrs	s	De: Depti		Surveys Degree
Time El	eakdowo		ırs	Sementing:	 s, 4 ea. HV	2.5 h	าเล	Surveys:		0.5 hrs			1	
Time El	eakdowo	9 5 is	ırs	Gementing: Trips:		2.5 h 1.5 h	าเล	Surveys:			s	Depti	1	Degree
Time El	eakdowo	9 5 is	irs irs	Gementing: Trips: Aun Casing:		2.5 h 1.5 h	าเล	Surveys: Logging: WOC:		7.5 hrs	s	Depti	1	Degree
Time El	eakdewn	4 5 is	ifo irs	Cementing: Trips: Aun Casing: Rig Serv/Sft)		2.5 h 1.5 h	าเล	Surveys: Logging: WOC: Drill Cement:		7.5 hrs 0.5 hrs	s	Depti	1	Degree
Time El	eakdawa	+ 5 ii 0.5 h	iro irs	Cementing: Trips: Aun Casing: Rig Serv/Sft)		2.5 h 1.5 h	าเล	Surveys: Logging: WOC: Drill Cement:		7.5 hrs 0.5 hrs	s	Depti	1	Degree
Time El 101. R. Singulation Order VD on Code Code Sally Codes	Pakdowo	+ 5 ii 0.5 h	iro irs	Gementing: Trips: Aun Casing: Rig Serv/Sft) Rig Repairs:	/ Mtg:	2.5 h 1.5 h	าเล	Surveys: Logging: WOC: Drill Cement: Pressure Tes		7.5 hrs 0.5 hrs 4.5 hrs	s	Depti	1	Degree
Time El 101. Rt 16. Janion Uning NO 101. Scalin Lady, Costs Daton Par	Pakdown	4 5 ii 0.5 h 0.5 h 0.5 h	ifs irs	Gementing: Trips: Aun Casing: Rig Serv JSfty Rig Repairs:	/ Mtg:	2.5 h	าเล	Surveys: Logging: WOC: Drill Cement: Pressure Tes		7.5 hrs 0.5 hrs 4.5 hrs	s	Depti	1	Degree
Time 2: OL 31 in lation Upon 199 ett cair i of the Silve Casts	Pakdown	+ 5 ii 0.5 h	IFS	Gementing: Trips: Aun Casing: Aug Serv/Sfty Rig Repairs: Gum \$14,500	/ Mtg:	2.5 h 1.5 h 2.0 h	าเล	Surveys; Logging: WOC: Drill Cement: Pressure Tes Daily \$855		7.5 hrs 0.5 hrs 4.5 hrs	s	Depti	1	Degree
Time El OL St. Fraulation O cort NO adv Scali is ally Costs Divos Per is	Pakdown ness:	4 5 ii 0.5 h 0.5 h 0.5 h	IFS	Gementing: Trips: Aun Casing: Rig Serv JSfh Rig Repairs: Gum \$14,500	/ Mtg:	2.5 h 1.5 h 2.0 h	าเล	Surveys; Logging: WOC: Drill Cement: Pressure Tes Daily \$855		7.5 hrs 0.5 hrs 4.5 hrs	s	Depti	1	Degree
Time El 101. Rt if all all on Unity Scale is ally Costs Diton Per it	Pakdown ness:	4 5 ii 0.5 h	ifs irs	Gementing: Trips: Aun Casing: Rig Serv JSft, Rig Repairs:  Gum \$14,500 \$50,000 \$23,181	/ Mtg:	2.5 h 1.5 h 2.0 h  Well Head Bits Logging	าเล	Surveys: Logging: WOC: Drill Gement: Pressure Tes  Daily \$855 \$850		7.5 hrs 0.5 hrs 4.5 hrs  Cum \$855 \$3,700	s	Depti	1	Degree
Time El OL St. Fallation O and Year in O ally Costs on Costs Divos Per in asing ement	Pakdown	4 5 h 0.5 h 0.5 h 0.6 h 0.7 p. 44 p. 6	ifs irs	Gernenting: Trips: Aun Casing: Rig Serv /Sffy Rig Repairs:  Sum \$14,500 \$50,000 \$23,181 \$23,072	/ Mtg:	2.5 h 1.5 h 2.0 h Well Head Bits Logging Supervision	าเล	Surveys: Logging: WOC: Drill Gement: Pressure Tes  Daily \$855 \$850		7.5 hrs 0.5 hrs 4.5 hrs  Cum \$855 \$3,700 \$3,200	s	Depti	1	Degree
OL SE  Variety Value  Control Value  Control Value  Control Value  Control Value  Value  Value  Value  Value  Value	Pakdown ness:	4 5 h 0.5 h 0.5 h 0.6 h 0.7 p. 44 p. 6	ifs irs	Gementing: Trips: Aun Casing: Rig Serv JSft) Rig Repairs:  Cum \$14,500 \$50,000 \$23,181 \$23,072 \$8,100	/ Mtg:	2.5 h 1.5 h 2.0 h Well Head Bits Logging Supervision Trucking	าเล	Surveys: Logging: WOC: Drill:Cement: Pressure Tes  Daily \$855 \$850		7.5 hrs 0.5 hrs 4.5 hrs  Cum \$855 \$3,700 \$3,200 \$26,250	s	Depti	3	Degree

Ran 32 its (1398 371 to 38.507, 24#, J-55, LT&C casing. Bottom of casing landed at 1408' KB, insert float at 1363' KB. Circulate hole clean (RU) is pressure Pumping Services & hold safety meeting. Precede cement w/ 10 bbls of gel water and 10 bbls of fresh water. Hence the w/ 395 sx (814 cu.ft.) of Type V, 2% SMS, 3#/sx of Gilsonite & ½#/sx of cello-flake. Table the w/ 140 sx (16° sn.h.) w/ 1% CaCl<sub>2</sub> & ½#/sx of cello-flake. Displace cement w/ 87 bbls of water. Bump plug and pressure up on easing to 800 p.s. held OK, release pressure – float held OK. PD at 11:00 hrs 1/21/07. Good circulation (br a galos) (a), pirechaled 60 bbls of cement to surface. Casing and cement job witnessed by BLM (Ray Espinosa). RD K1PS. WOC. Bock off leading joint. Install wellhead & NU BOP. Pumped additional 50 sx of Type V w/ 3% CaCl<sub>2</sub> thru 1" to top off cement between conductor tipe and surface casing. WOC. Pressure test casing, BOP, choke manifold and related surface equipment to 1000 psi cr/ 3rd party testers (as per BLM specs). TIH w/ bit #3 (7-7/8", HTC, GT-803) and finish too log contribute 10H and dtill out cement and shoe joint. Continue drilling new formation w/ water/poly. Drilling at 1822 at report time. RC7 = 90 fph.

### **DAILY DRILLING REPORT**

Operato	ж:	Rosetta	Resou	rces, Inc.				***						,
Well	Name:	Tsah Tah	SWD #1	1		Con	tractor		Rpt	#	Tim	e	C	ate
Loca	ation:	Sec. 11, T2	24N, R10	)W, San Ju	an, NM	D&J	Drilling -	- Rig #2		5	6:00	:00 AM	, 1/3	23/2007
Present	Operation	Depth		Footag	e		Forma	ition	L	ast Casing		1	st TD	
To	он	3343'		1521			Menefe	e	Ę	i-5/8" <b>-</b> 14	08'	00:00 AM 7. M 30K  2032  Dev Depth 2019 2510	7/8" -	4500'
Bit No,	Size	Make	Туре	Jets	Depth In	Depth Out	Ft.	Hrs.	RPI	1	Wt.	M	Col	ndition
3	7-7/8"	НТС	GT-S03	3/13's	1425'	3343'	1918'	24.00		80	30	0K		
						ļ.								
Mud Wt.	Vis	WL	PV/YP	Gels	PH	SND	% Oil	Solids %	In/Out		FCI:	32	Ot	her
water/poly						]						***********	000000000000000000000000000000000000000	
Pump	Size	Stroke		SPM	GPI	vi .	PSI	<del> </del>	Annular	Vel DP & D	2		Οt	her
1	6.5"	7"		130	3	883	1450	ļ						
2		<u> </u>			<u> </u>			ŀ						
	Bit, bit su eakdown	b, shock sub	o, 20 ea.	6-1/4" DC's	s, 4 ea. HV	<u>VDP TB</u>	HA Leng	gth: 753.13'						
INTE DI	Cakuuwii			Cementing:			•	Surveys:		1.5 hi	rs	Dev	lation 5	urveys
Irilling:		19.5 h		Trips:		2.51	nris	Logging:						Degree
irculation		0.5 h		Run Casing:				woc:				2019'		1-3/4°
U and ND:				Rig Serv/Sfty	Mtg:			Drill Cement:				2510'		1°
rill Rat/Mc	use:			Rig Repairs:				Pressure Test	i.			3004'		1-1/4°
Costs														
aily Costs	2	Daily		Cum				Daily	c	um				
D,Loc,Pen	mi <b>t</b> s			\$14,500		Well Head				\$855				
lig		\$13,500		\$63,500		Bits				\$3,700				
asing				\$23,181	····	Logging								<del></del>
ement		\$3,087		\$26,159	<del></del>	Supervision		\$800		\$4,000				
/ater		\$800		\$8,900		Trucking				\$26,250			•	
uel				\$12,905		Rentals		\$550		\$2,350				
lud		\$3,940		\$10,750		Misc		\$1,110		\$2,310				
asing Crev	ν			\$3,010		Total		\$23,787		\$202,370				

#### Details

Continued drilling ahead w/ bit #3 (7-7/8", HTC, GT-S03) and water/polymer. Started having trouble w/ bit at  $\sim$  3281'. Continued drilling to 3343' but bit continued to "lock up". Circulate hole and run polymer/paper sweeps to clean up hole. TOH at report time.

### **DAILY DRILLING REPORT**

Operat	or:	Rosetta	Resou	rces, Inc.							
Well	l Name:	Tsah Tah	SWI) #1	1		Con	tractor		Rpt#	Time	Date
Loc	ation:	Sec. 11, T	24N, R10	)W, San Ju	an, NM	D&J	Drilling -	Rig #2	6	6:00:00 AM	1/24/2007
Present	Operation	Depth		Footag	e		Forma	tion	Last Casing		Est TD
Dr	illing	4040'		697'			Menefe	e	8-5/8" - 140	8' 7	7-7/8" - 4500'
Bit No.	Size	Make	Ty/pe	Jets	Depth In	Depth Out	Ft.	Hrs.	RPM	Wt. M	Condition
		Ī									
4	7-7/8"	HTC	HX-S28	3/13's	3343'	Inc.	697'	16.50	80	20K	
					<del></del>						
Mud Wt.	Vis	WL	PVYP	Gels	PH	SND	% Oil	Solids % In/0	out	FC/32	Other
water/poly											
Pump	Size	Stroke		SPM	GPA	A	PSI	Ann	ular Vel DP & DC		Other
1	6.5"	7."		130	3	83	1350				
2						-					
вна:	Bit, junk i	oasket, bit s	ub, shocl	k sub, 20 ea	a. 6-1/4" D	C's, 4 ea. F	HWDP	TBHA Length:	755.58'		
Time B	reakdown	<del></del>									
IOL RU:				Cementing:				Surveys;	0.5 hrs	5 <b>D</b> e	viation Surveys
rilling:		16.5	hrs	Trips:		3.0 H	nrs	Logging:		Dept	h Degree
irculation	1;	1.0 h	ırs	Run Casing:				Woc:		350	0' 1-3/4
U and NC	);			Rig Serv/Sfty	Mtg:			Drill Cement:			
rill Rat/M	ouse:			Rig Repairs:				W/O Junk Basket:	3.0 hrs	3	
Costs						<del>                                     </del>		T	<del></del>		
aily Cost	s:	Daily		Cum				Daily	Cum		
D,Loc,Pe	rmits			\$14,500		Well Head			. \$855		
O,DUE,I G			i	\$77,000		Bits			\$3,700		
		\$13,500				\$5000000000000000000000000000000000000					
ig		\$13,500		\$23,181		Logging			+		
ig asing		\$13,500				Logging Supervision		\$800	\$4,800		
ig asing ement		\$13,500		\$23,181				\$800	\$4,800 \$26,250		
ig asing ement fater uel				\$23,181 \$26,159		Supervision Trucking Rentals		\$800 \$550			,
ig asing ement /ater				\$23,181 \$26,159 \$9,700		Supervision Trucking			\$26,250		

Details

Finish TOH, bearings and most buttons missing from bit. Call for junk basket. Make up bit #4 (7-7/8", HTC, HX-S28) with 6-7/8" junk basket and TIFI. Went to 3343' (bottom) w/ no problems. Work bit and junk basket on bottom. Continue drilling ahead w/ water/polymer. ROP at report time is  $\sim 60$  fph.

### **DAILY DRILLING REPORT**

Operato	or:	Rosetta	Resoul	ces, Inc.								
Well	Name:	Tsah Tah	SWD #1	1		Con	tractor		Rpt#	Time	e	Date
Loc	ation:	Sec. 11, T2	24N, R10	)W, San Jua	an, NM	D&J	Drilling -	Rig #2	7	6:00	:00 AM	1/25/2007
Present	Operation	Depth		Footag	<b>e</b>		Forma	tion	Last Casing		Est	TD
RD L	oggers	4510'		470'			Manco	S	8-5/8" - 14	08'	7-7/8	s" - 4500'
Bit No.	Size	Make	Type	Jets	Depth In	Depth Out	Ft.	Hrs.	RPM	Wt. I	м	Condition
4	7-7/8"	нтс	HX-328	3/13's	3343'	4510'	1167'	31.00	70	40	0.K	
Mud Wt.	Vis	WL	PVIYE	Gels	РН	SND	% Oil	Solids %	In/Out	FC/	32	Other
8.6	50	10.0			11.0	]				]		·
Pump	Size	Stroke		SPM	GPI	Λ	PSI	<u> </u>	Annular Vel DP & D	c		Other
11	6.5"	7"		138	3	95	1400					
2		<u> </u>						L				<del></del>
BHA:		oasket, bit su	ıb, shocl	∢ sub, 20 ea	a. 6-1/4" D	C's, 4 ea. F	WDP	TBHA Leng	gth: 755.58'			
MOL RU:	reakdown			Cementing:				Surveys:	1.0 h	1		on Surveys
Drilling:		14.5 /		Trips:		3.5 !	nre	Logging:	2.5 h		Depth	Degree
Circulation	:	2.5 h		Run Casing:		3.07		WOC:	2.01		4029'	3/4°
NU and ND				Rig Serv/Sfty	Mtg:			Drill Gement:			4494'	1-1/4°
Drill Rat/Mo	ouse:			Rig Repairs:				Pressure Test				
Costs												
Daily Costs	s:	Daily		Cum				Daily	Cum			
RD,Loc,Per	mits			\$14,500		Well Head			\$855	<del></del>		
Rig		\$13,500		\$90,500		Bits			\$3,700			· · · · · · · · · · · · · · · · · · ·
Casing				\$23,181		Logging						
Cement				\$26,159		Supervision		\$800	\$5,600			
Water		\$1,350		\$11,050		Trucking		\$2,500	\$28,750			<del></del>
Fuel				\$12,905		Rentals		\$550	\$3,450			
Mud		\$3,900		\$16,700		Csg Inspecti	on	\$1,036	\$4,116			
Casing Cre	w			\$3,010		Total		\$23,636	\$244,476			

#### Details

Started mud up at 4350' while drilling. TD well at 4510' w/ bit #4 (7-7/8", HTC, HX-S28) at 21:00 hrs 1/24/07. Circulate and condition mud. Pull 20 std short trip – no tight spots, no fill. Circulate and condition mud. TOH for logs. RU Halliburton Logging Services and hold safety meeting. RIH w/ IND/DEN/NEUT/GR logging tools. Unable to get past 1575'. RD loggers at report time and prepare to TIH for wiper run.

### DAILY DRILLING REPORT

Operate	or:	Rosetta	Resoui	ces, Inc.										
Well	Name:	Tsah Tah	SWE) #1	1		Con	tractor		P	lpt#	Time	2		Date
Loc	ation:	Sec. 11, T2	24N, R10	)W, San Jua	an, NM	D&J	Drilling -	Rig #2		8	6:00	:00 AM		1/26/2007
Present	Operation	Depth		Footag	e		Fotma	tion		Last Casing			Est T	D
1	ГІН	4510'		0'			Manco	s		8-5/8" - 140	8'	7.	-7/8"	- 4500'
Bit No.	Size	Make	Туре	Jets	Depth in	Depth Out	Ft.	Hrs.	R	PM	Wt. I	VI VI	C	Condition
4	7-7/8"	нтс	HX-S28	3/13's	3343'	4510'	1167'	31.00		70	40	ΣK		
										-				
Mud Wt.	Vis	WL	PV/YP	Gels	PH	SND	% Oil	Solids %	i in/Ou	t	FC/3	12		Other
, 8.8	100	9.0			11.0									
Pump	Size	Stroke		SPM	GPI	VI	PSI		Annul	ar Vel DP & DC				Other
1	6.5"	7"		138	3	395	1400				<del></del>			
2_														
вна:	Bit, bit su	b, shock sub	o, 20 ea.	6-1/4" DC's	s, 4 ea. HV	VDP TB	HA Leng	th: 753.13'						
Time Bi	reakdown													
MOL RU:				Cementing:				Surveys;				Dev	/latio	n Surveys
Drilling:				Trips:		14.5	hrs	Logging:		5.5 hr	s	Depth		Degree
Circulation	ı;	2.0 h	rs	Run Casing:				woc:						
NU and ND	:			Rig Serv/Sfty	Mtg:			Drill Cement:						
Drill Rat/M	ouse:			Rig Repairs:				Wash/Ream:		2.0 hr	s			
Costs						T				r · · · · · · ·				
Daily Costs	¥	Daily		Cum				Daily		Cum				
RD,Loc,Per	mits			\$14,500		Well Head				\$855			_	
Rig		\$13,500		\$104,000		Bits				\$3,700				
Casing				\$23,181		Logging								
Cement				\$26,159	<del></del>	Supervision		\$800		\$6,400				•
Water		<u> </u>		\$11,050		Trucking				\$28,750				
Fuel		\$4,337		\$17,242		Rentals		\$550		\$4,000				· · · · · · · · · · · · · · · · · · ·
Mud		\$3,200		\$19,900	·	Misc		\$2,105		\$6,221				
asing Cre	w			\$3,010		Total		\$24,492	_	\$268,968	_			

#### <u>Details</u>

Finish RD loggers. TIH and tag bridge at 1623'. PU kelly and wash/ream thru bridges from 1623' to 1723'. Continue TIH to TD. Build mud volume and bring viscosity to 100. Circulate and condition mud. TOH to 1400' and SD for 30 min. TIH thru spots that had bridged off back down to 1700' – no problems. TOH. RU loggers and RIH w/ IND/DEN/NEUT/GR logging tools. Unable to get past 1560'. Lay down DEN/NEUT and RIH w/ IND/GR only. Still unable to get past 1560'. RD loggers. TIH to 1750', only hit small bridge at 1560', TOH. RU loggers and RIH, hit bridge at 1803'. RD loggers. TIH to TD at report time.

### **DAILY DRILLING REPORT**

Operat	or:	Rosetta I	Resour	rces, Inc.							
Well	Name:	Tsah Tah	SWE) #1	1		Con	tractor		Rpt#	Time	Date
Loc	ation:	Sec. 11, T2	24N, R10	)W, San Jua	an, NM	D&J	Drilling -	Rig #2	9	6:00:00 AM	1/27/2007
Present	Operation	Depth		Footag	e		Forma	tion	Last Casing		Est TD
Runnir	ng Casing	4510'		0'			Manço	s	8-5/8" - 140	8'	7-7/8" - 4500'
Bit No.	Size	Make	Type	Jets	Depth In	Depth Out	Ft.	Hrs.	RPM	Wt.M	Condition
4	7-7/8"	нтс	HX-S28	3/13's	3343'	4510'	1167'	31.00	70	40K	
	-										
Mud Wt.	Vis	WL	PV/YP	Gels	PH	SND	% Oil	Solids % In	/Out	FC/32	Other
8.8	145	9.0			11.0						
Pump	Size	Stroke		SPM	GPA	VI.	PSI	A	nnular Vel DP & DC		Other
1	6.5"	7"		138	3	95	1400				
2											
BHA:	Bit, bit su	b, shock sub	o, <u>20 ea.</u>	6-1/4" DC's	, 4 ea. HV	VDP TB	HA Leng	th: 753,13'			
Time B	reakdown	1						T		Posson	
IOL RU:				Cementing:				Surveys:		D	eviation Surveys
rilling:				Trips:		10.5	hrs	Logging:	4.0 hrs	- Record	
irculation	ri.	4.5 h	rs !			1		cogging.		S Dept	th Degree
U and ND		1		Run Casing:		1.5 h		Wod:		S Depi	th Degree
				Run Casing: Rig Serv/Sfty	Mtg:	1.5 h					th Degree
rill Rat/M					Mtg:	1.5 h		woc:	3.5 hrs		th Degree
rill Rat/M Costs	ouse:			Rig Serv./Sfty Rig Repairs:	Mtg:	1.5 h		WOC: Drill Cement: LD DP & DCs:	3.5 hrs		th Degree
rill Rat/M Costs aily Cost	ouse:	Daily		Rig Serv/Sfty Rig Repairs: Cum	Mtg:			WOC: Drill Cement:	3.5 hrs		th Degree
rill Rat/M Costs aily Cost D.Loc,Pe	ouse:			Rig Serv:/Sfty Rig Repairs: Cum: \$14,500		Well:Head		WOC: Drill Cement: LD DP & DCs:	3.5 hrs		th Degree
rill Rat/M Costs aily Cost D,Loc,Pe	ouse:	Daily \$13,500		Rig Serv //Sffty Rig Repairs: Cum \$14,500 \$117,500		Well Head		WOC: Drill Cement: LD DP & DCs: Daily	3.5 hrs  Cum  \$855  \$3,700		th Degree
rill RatM Costs ally Cost D.Loc,Pe ig asing	ouse:			Rig Serv // Sffty  Rig Repairs:  Cum  \$14,500 \$117,500 \$23,181		Well Head Bits Logging		WOC: Drill Cement: LD DP & DCs: Daily. \$42,116	3.5 hrs  Cum  \$855  \$3,700  \$42,116		th Degree
rill Rat/M Costs aily Cost D,Loc,Pe ig asing ement	ouse:			Rig Serv / Sfty Rig Repairs: Cum \$14,500 \$117,500 \$23,181 \$26,159		Well Head Bits Logging Supervision		WOC: Drill Cement: LD DP & DCs: Daily	3.5 hrs Cum \$855 \$3,700 \$42,116 \$7,200		th Degree
rill Rat/M Costs ailly Cost D,Loc;Pe ig asing ement	ouse:			Rig Serv // Sffty  Rig Repairs:  Cum  \$14,500 \$117,500 \$23,181		Well Head Bits Logging Supervision		WOC: Drill Cement: LD DP & DCs: Daily. \$42,116	3.5 hrs  Cum  \$855  \$3,700  \$42,116  \$7,200  \$28,750		th Degree
Costs laily Cost D.Loc,Pe lig asing ement /ater usel	ouse:			Rig Serv/Sffty Rig Repairs:  Cum  \$14,500 \$117,500 \$23,181 \$26,159 \$11,050		Well Head Bits Logging Supervision		WOC: Drill Cement: LD DP & DCs:  Daily.  \$42,116 \$800	3.5 hrs Cum \$855 \$3,700 \$42,116 \$7,200		th Degree

<u>Details</u>

Finish TIH to TD. Build mud volume and bring viscosity up to 140. Circulate and condition mud. TOH. RU loggers and RIH w/ IND/DEN/NEUT/GR logging tools. Logger's TD was 4508' KB. RD logger's. TIH to TD – no fill. Break circulation and condition mud for casing. LD DP & DC's. Change out rams, RU San Juan Casing crew and hold safety meeting. Running 5-1/2" casing at report time.

#### DAILY DRILLING REPORT

Operato	or:	Rosetta l	Resou	rces, Inc.									
Well	Name:	Tsah Tah S	SW[:) #1	1		Can	tractor		Rpt	#	Tim	e	Date
Loc	ation:	Sec. 11, T2	24N, R1	0W, San Ju	an, NM	D&J	Drilling -	Rig #2		10	6:00	0:00 AM	1/28/2007
Present	Operation	Depth		Footag	e		Forma	tion	L	ast Casing		l l	Est TO
MOL - Pi	g Released	4510'		0'			Manco		F	5-1/2" - 45	na'	7-	7/8" - 4500'
MOLTKI	Tejegsed	4010		1			Ividino					<u> </u>	776 1666
Bit No.	Size	Make	Туре	Jets	Depth In	Depth Out	Ft.	Hrs.	RPN	1	Wt.	M	Condition
											<u> </u>		
				ļ	l							-	
Mud Wt.	Vis	WL	PV/YP	Gels	PH	SND	% Oil	Solids %	In/Out		FC)	32	Other
Pump	Size	Strøke		SPM	GPI	A .	PSI	<u> </u>	Annular	Vel DP & D	3		Other
11	6.5"	7"			<u> </u>								
2					<u> </u>								
вна:	***************************************									***************************************		***************************************	
Time Br	eakdown			<u> </u>				T					
IOL RU:		11.5 h	ırs	Cementing:		3.0 h	nrs	Surveys:	_			Dev	lation Surveys
Irilling:				Trips:				Logging:				Depth	Degree
irculation	2	5.0 hi		Run Casing:		2.5 }	nrs	woc:					
IU and ND		2.0 hi	s	Rig Serv JSfty	Mtg:			Drill Cement:		·			
rill Rat/Mc	ouse:			Rig Repairs:				LD DP & DCs:					
Costs		n-1		Cum		Γ		I.	T.				
Daily Costs		Daily		\$14,500	<u></u>	Well Head		Daily	٠	<b>um</b> \$855			
kig	iiits	\$13,500		\$131,000		Bits			_	\$3,700			
asing		\$42,490		\$65,671		Logging			-+	\$42,116			<del></del>
ement		\$27,911		\$54,070		Supervision		\$800		\$8,000			
/ater		\$2,400		\$13,450		Trucking		\$2,800		\$31,550			
uef		\$5,077		\$22,319		Rentals		\$550		\$5,100			
lud				\$23,100		Misc		\$1,650		\$7,871			
asing Crev	N	\$4,325		\$7,335		Total		\$101,503		\$430,637			

#### Details

Finish running casing. Ran 104 jts (4496.20') of 5-1/2", J-55, LT&C casing. Bottom of casing landed at 4509' KB, float collar at 4496' KB, marker jt at 4033' and DV tool at 2224' KB. Wash casing to bottom and circulate. RU Halliburton (HES) and hold safety meeting. Pump 1st stage as follows: Precede cement w/ 20 bbls of mud flush followed by a 5 bbl water spacer. Mix and pump 345 sx (652 cf) of 65/35 Type V poz, 6% gel, 5#/sk Gilsonite and 1/8#/sx of poly-flake. Tail in w/ 100 sx (146 cf) of 50/50 poz w/ 2% gel, 10% Halad 9-2,10% CFR, 5#/sk Gilsonite & 1/8#/sk of poly-flake. Displace cement w/ 60 bbls of water and 47.5 bbls of mud. PD at 12:00 hrs 1/27/07. Pressure up on casing to 1500 psi, check float held OK. Drop bomb and open DV tool. Circulate out 40 bbls of cement to surface. Continue circulating mud while WOC. Pump 2nd stage as follows: Precede cement 20 bbls of mud flush followed by a 5 bbl water spacer. Mix and pump 260 sx (491 cf) of 65/35 Type V poz, 6% gel, 5#/sk Gilsonite and 1/8#/sx of poly-flake. Tail in w/ 50 sx (59 cf) of Type V "neat cement". Displace cement w/ 53.4 bbls of water. PD at 16:00 hrs 1/27/07. Pressured up on casing to 2500 psi to close DV tool, check float – held OK. Circulated 8 bbls of cement to surface. ND BOP and set slips w/ 40 K tension on casing. RD and ready rig for rig move. Rig Released at 00:00 hrs 1/28/07. *Final Report.* 

### PIPE RECORD

ELECTRICATED AND AND AND AND AND AND AND ADDRESS OF THE PARTY AND ADDRE	CAST ASST	etta Resou			Lea			h Tah SWD	Well No.	11		Date	e:1/21/06
	<del></del>	very piece of a		nent going into Olumn 3	T	ole in the orde column 4		L Column 5	Column 6	Co	olumn 7		Column 8
ica Pr	Torrida	otumin2 w	Grade		Grade	Wt	Grade	Wt	Grade Wt	Grade	Wt	Grade	V
0.85		44.46		42.33							<u> </u>		
	С	44,45	С	42.45	<u> </u>					<u> </u>			
		44.43		42.27								<u> </u>	
	С	44.13	С	42.30							ļ		
		44.42		41.08									
	С	44,44	С	42.30									
		42.22		44.41									
	C	44.45	С	42.26									
		1 43		42.46									
e and an article	ا ز یا	44.50	С	42.44									
	· }	:50		44.40									<u>.</u>
	c	44.35		44.50			<u> </u>			<u> </u>		<u> </u>	
		- 55	out	44.45									
		44.40								<u> </u>	<u> </u>		
		74.35								<u> </u>			
	G	43.35				-							
manne a spannanna a philippina anno mas anno a													
The second secon		40.41	$\Box$										
	  ;	₹ <b>?</b> .35											
	С	ا2.31											
0.85	Martin.	880.17		557.65		0.00		0.00	0.00		0.00		0.
olumn no.	33	ITEM			JTS.	ock after running  OD.	WT.	GRADE	THREAD	No. Jts.	MAKE	32	
4	. ,	Gulde Shoe									Weatherford		0
*		Dasing	,		20	8-5/8"	24#	J-55	LTC		·		880
3		Casing			33	8-5/8"	24#	J-55	LTC				557
4													0
5													0
6													0
/								:					0
8													0
MARKS		3: DESIGNATES	CENTRA	ALIZER ON JOINT					TOTAL				1438
A STATE OF THE STA									JTS NOT RU	N (	[ - 1 jt )		44
Ran 32 jts	s (13°	33,3 <b>7') of</b>	8-5	5/8", 24#	, J-	55, LT&C	casi	ng	CUT OFF		(-)		
Bottom of									TOTAL				1394
								<del> </del>	Top of Casing	j head	flange to KB		13
			·										1407
C - Central	izers								SET AT KB			ı	1407

PIPE RECORD

	Operator:	Ros	etta Resou	ırces		Lea	se:	Tsa	h Tah SWD	Well No.	11		Date	e:1/27/06
				<u> </u>			ole in the orde					. –		
Crade	olumn 1	Grade	olumn2	Grade	olumn 3	Grade	column 4	Grade	Column 5	Column 6 Grade Wt	Grade	olumn 7	Grade	olumn 8
	0.90	С	45.16		45.18		45.17		2.14	45.17		42.15		45.20
	11.00		45.16		45.20		45.18			45.15		42.08		45,18
	0.61	С	45.19		45.18		45.18			42.13		42.12		45.18
			45.16		45.21		45.15			42.16		42.14		45.14
		С	45.20		45.17		45.20			42.19		42.14		45.16
			45.18		45.18		.45.17			42.11		42.11		45.18
. 1		С	45.17		45.16		45.16			42.21		42.15		45.1
			45.16		45.18		45.20			42.14		42.16		45.18
		С	45.19		45.17		45.15			42.15		42.17		45.17
			45.18		45.15		45.16			42.16		42.21		45.16
		MJ	11.80		45.21		45.16			42.16		42.15		45.16
		С	45.15		45.14					42.13		42.17		45.17
			45.18		45.20					42.17		42.10	OUT	45.17
		С	45.18		45.18					42.20		42.16	OUT	45.16
			45.17		45.17					42.16		42.17	OUT	19.9
		С	45.17		45.16					42.17		42.14		
			45.17		45.18	_				42.11		42.15		·
		С	45.18		45.15					42.13		42.15		
			45.18		45.15					42.13		45.16		
		С	45.18		45.16					45.16		45.18		
	12.51		870.11		903.48		496.88		2.14	852.09		848,96		652.32
	ck before running	107	ITEM			JTS.	OD,	3 <b>WT</b> .	GRADE	THREAD	No. Jts. r	MAKE	104	
		Guide	e shoe, shoe	it flo	nat collar	1	<u> </u>		0.0,02	*		Weatherford		12.51
	2		Casing	10, 100		20	5-1/2"	15.5	J-55	LTC		, vvodinonova		870.1
	3		Casing			20	5-1/2"	15.5	J-55	LTC				903.48
	4		Casing			11	5-1/2"	15.5	J-55	LTC				496.88
	5		DV Tool				5-1/2"			LTC		Weatherford		2.14
	6		Casing			20	. 5-1/2"	15.5	J-55	LTC				852.09
	7		Casing			20	5-1/2"	15.5	J-55	LTC				848.96
	8		Casing			15	5-1/2"	15.5	J-55	LTC				652.32
REM.	ARKS *	ASTE	RISK DESIGNATES	CENTRA	LIZER ON JOINT					TOTAL				4638.49
										JTS NOT RUI	۱ (	- 3 jts )		110.27
	Ran 104 ji	rs (4	496.20')	of 5	-1/2", 15.	5#,	J-55, LT	&C	casing	CUT OFF		-)		32.00
	Bottom of	casi	ng landed	at 4	509' KB,	Floa	t collar at	449	96' KB,	TOTAL				4496.22
	Marker joi	nt a	† 4033' K	B, D	V tool at	2224	1' KB			Top of Casing	head	flange to KB		12.50
										SET AT KB				4508.72
	C - Centrali	zers					-	***			John	C. Thomps	on on	