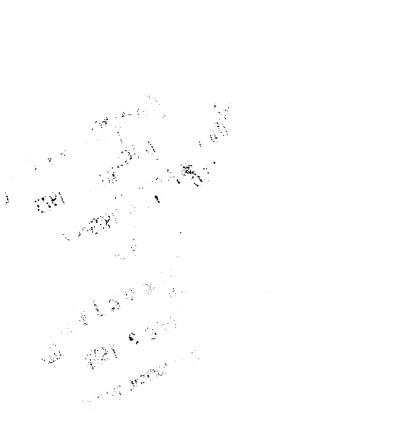
FLU	ID SAM	P'LE DAT	<b>^</b>	Date 7-	22-73	Ticket Numbe	, 714	912	Sec.
Sampler Pressure Recovery: Cu. F		P.S.I.C		Kind of Job OF	EN HOLE	Hallibu District	rton FAR	MINGTON	Two - Rng
cc. O				- \m	DAVITO				- 33
cc. W					. DAVIS	Witnes	MR.	SCIMLK	
1	<del></del>			Drilling Contractor AR	APAHOE DE	ILLING COM	YNY	IC S	
		API @				IT & HOLI	DAT		
Gas/Oil Ratio			_cu, ft./bbi.	Formation Test		allup			$-\frac{3}{3}$
	RES	ISTIVITY CH	LORIDE	Elevation Net Productive		20'			
	_	ČĊ	LORIDE INTENT	1		otary Kelly	Bushir	ng	Ft. 32N
Recovery Water		. @ •F	ppm	Total Depth	7	717'			
Recovery Mud Recovery Mud Fi		@ •F. @ •F				7/8"			2
Mud Pit Sample		@•F	ppm			45 1.0 022 1.0			-
Mud Pit Sample I		@•F	ppm			592 <b>' -</b> 7597	_		F,
Mud Weight		11.4 vis	89cp	Depth Tester V					Ft.
TYPE Cushion =	THUOMA	E.	Depth Back	<	Surface	Bo	ttom		
<u> </u>	<del></del>	Pt.	Pres. Valve	• <del>•</del>	Choke 1	/4" ADJ. C	noke	3/4"	
Recovered	10 F	cet of Drillin	g mud	· · · · · · · · · · · · · · · · · · ·					Argo A
Recovered	_	eet of							10
IVECO46160	<u>r</u>	eer or			<del></del>			<del></del>	From
Recovered	F	eet of							
									FAS
Recovered	F	eet of		······································					NIS
Recovered	F	eet of							
				1					DAKOTA
Remarks Ope	ned tool	for 78 minu	te first	flow with	a strong	blow - gas	to sur	face in	TA
2 111110	ccs, Gas	gauged on	Pitot tui	be at 10 m	Ilion cul	oic feet per	r day t	hrough	
3/4" c	hoke. Cl	osed tool f	or 62 mir	nute initia	1 closed	in pressure	a _		
			···			predout			$-\frac{3}{2}$
									County
Q=Ques	tionable								
TEMPERATURE	Gauge No.	1475	Gauge No.	105	i Gauge No.			<del></del> -	~~~~~
TEMPERATURE	Dap*h	7571 Ft.	Depth:	7713 <b>'</b> Ft	Depth:	Ft		TIME	0
_	i	24 Hour Clock	<u> </u>	24 Hour Clock		Hour Clock	Tool	Α.Λ	7 P
Est. °F,	Blanke:1 Off	7.0	Blanked Off	YES	Blanked Off			16:50 P.A	ARRIB
Actual 160 °F.	 	essures	D	essures			, T∞I	۸.۸ ِ	л. 🄛 📗
	Field	Office	Field	Office	Field	Office	Closed 3 Reported	19:10 P.A. Computer	
Initial Hydrostatic	4929	4859	4982	4919	rieig	Office	Minutes	Minutes	
Flow - United	1358	1620Q	1907	2622Q	:				Stote
िहुँ final Closed in	1790 3987	1810 3998	2079	2088	·		80	78	1.7
Initial		3330	3963	4002		<del> </del>	60	62	NEW YEXI
Fine.				!					4
Close Lin									EXICO
Flow to leading	tor or				i I				00
(								`	_
Final Hydrostatic	4929	4859	4982	4919					-
; 		1		<u> </u>					





## ELLIOTT A. RIGGS

Petroleum Geologist

GEOLOGICAL REPORT

of

JOHN E. SCHALK #2 LONE STAR INDUSTRIES-SCHALK-62

NW Sec 33-T32N-R5W Rio Arriba Co., New Mexico

WELL DATA

Location:

1760' FNL & 1190' FWL, Sec 33-T32N-R5W,

Rio Arriba Co., New Mexico

Elevation:

KB 6808'

DF 6807' GL 6796'

Depth:

All depths measured from KB

Commenced:

Spud 9:30 PM, June 28, 1973

Hole Sizes:

15" to 339'

8 3/4" to 1746' 7 7/8" to 7715'

Casing Record:

10 3/4" to 334'

5 1/2" to 7660'

Cores:

None

Drill Stem Tests:

DST #1 7627-7717' Misrun

DST #2 7597-7717'

Total Depth:

Driller:

7715'

Schlumberger: 7717'

Logs:

Schlumberger:

Comp Neut-FM Den

1900-7716

Comp FM Density

1900-7716'

Geologist:

Sample log

7000-7717

Drilling time log

7000-7717

Mud Logger:

None

Quality of Samples: Fair 7000-7717'

·	S A M.P		DATA		Date 7	-22-73	Number	714911		20 70
ampler Pressure			P.\$.1.G.	at Surface	Kind	ADDIT HATE	Halliburt	on TADICTI	omos.	Location
Reco <mark>very: Cu. Ft. G</mark>	Gas			<del></del> }	of Job C	PEN HOLE	District	FARMIN	GION	23
cc. Oil					T N	D DAVITO	Witness	MR. SC		۳
cc. Wate						IR, DAVIS	Witness	rik, sc		
cc. Mud				1	Drilling	ARAPAHOE DE	ILLING COMP	ANY	DR	33-
	iid cc						T & HOLE			3
Gravity					Formation Te		allup			2N-
Sas/Oil Ratio			с	iu, 11./661.	Elevation	0.00			Ft.	MS
	25516	TIMEY	CHI	DRIDE	Net Productiv	^	0'		Ft.	
	KE212	TIVITY	CON	ORIDE TENT			otary Kelly	Bushing		
Recovery Water	1	ര	•F	ppm	Total Depth_	_	717'		Ft.	
lecovery Mud	(				Main Hole/C	asing Size7	7/8"			
lecovery Mud Filtro		-		ppm	Drill Collar L	ength	75!I.D.			
Nud Pit Sample					Drill Pipe Le	ngth7	<u>'022                                   </u>	3.826"		
Aud Pit Sample Filt	trate	@	•F	ppm			622-7627		Ft.	
Aud Weight			vis8		Depth Tester	Valve7	597		Ft.	
TYPE	AMOUNT			Depth Back	·	Surface	Bot	ttom	7411	
ushion			Ft.	Pres. Valve	<u> </u>	Choke 3	/4" Adj. Ch	noke 3	/4"	
		_								≥≖
Recovered	Fe	et of		<del></del>					Meo.	≯red Area
_										
Recovered	Fe	et of	<del></del>						From	Β/
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Recovered	+e	et of					and the second s		Tester	NIS
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Recovered		eror					·····			DAKOTA
Recovered	۱ .								1	1.5
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Remarks				TIED						ľΑ
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				TIED						[A County
				TIED						County
	PA	CKER	SEAT FA	ILED						County
	PA	CKER	SEAT FA	ILED  Gauge No.	105	Gauge No.			IME	County RIO
Remarks TEMPERATURE	PA	1475 7601	SEAT FA	ILED  Gauge No.	105 7713	Gauge No.	Ft	<u> </u>		County RIO
TEMPERATURE Calc.	PAGGGG No.	1475 7601 24 H	SEAT FA	Gauge No.	105 7713 24 Hour C	Gauge No. Ft. Depth:	Ft. Hour Clock	<u> </u>	A.M. P.M.	County RIO
TEMPERATURE  Calc.	PA	1475 7601 24 H	SEAT FA	ILED  Gauge No.	105 7713 24 Hour C	Gauge No.	Ft. Hour Clock	Tool	A.M.	County
TEMPERATURE  Calc. Est. 150 °F.	PAG Gauge No. Depth:	1475 7601 24 H	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock	Tool Opened	A.M. P.M. A.M. P.M.	County RIO ARRIB
Remarks TEMPERATURE	Gauge No. Depth: Blanked Off	1475 7601 24 H	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff	Tool Opened Tool	A.M. P.M. A.M.	County RIO ARRIB
TEMPERATURE  Calc. Est. 150 °F.	PAG Gauge No. Depth:	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C If Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed	A.M. P.M. A.M. P.M.	County RIO ARRIB
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIB
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  nitial Hydrostatic	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIB
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  nitial Hydrostatic  Final	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIB
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  nitial Hydrostatic	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIBA Steets
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  Initial Hydrostatic  Final	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIBA Steets
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  nitial Hydrostatic  Final	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIB
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  Initial Hydrostatic  Final	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIBA Ste's NEW
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  Initial Flydrostatic  Temperature  Calc.  Final	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIBA Ste's NEW
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  nitial Hydrostatic  Final	Gauge No. Depth: Blanked Off	1475 7601 24 No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIBA Steets
TEMPERATURE  Calc. Est. 150 °F.  Actual °F.  Initial Flydrostatic  Temperature  Calc.  Final	Gauge No. Depth: Blanked Off	1475 7601 24 H No	SEAT FA	Gauge No. Depth: Blanked Ot	105 7713 24 Hour C ff Yes	Gauge No. Ft. Depth: lock Blanked O	Ft. Hour Clock ff Pressures	Tool Opened Tool Closed Reported	A.M. P.M. A.M. P.M. Computed	County RIO ARRIBA Ste's NEW

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On the 62-2 well the total depth at which the well was completed was less than it would have been had the well been drilled to the Dakota.

However, the overall time for the drilling, Logging, Testing and completion was comparable to a Dakota completion due to the very unusual conditions encountered. As indicated by the amount of daywork time not billed at daywork rates, the difference between the total depths for Gallup and Dakota wells has been adjusted for in this manner.

