Period: 8 a.m. 6 /11 / 84 to 8 a.m. 6 / 18/84

Well: Fish Lake 88-11 Spud Date 4/11/84

Location:	SE	of_	SE	Sec	11	T_	15	R	35E	
County: Es	mera	lda		State:	Neva	da				
Projected De	pth:	6	,000'	De	pth:	·	· · · · · · · · · · · · · · · · · · ·			
Contractor:_	SRC	· ·		Rig:	Wil	1bros	#10	<u> </u>		
Geologist:	Deym	onaz		_Drilling	Superv	isor_	Otis	Nay		
Casing:	I	nterval		Ho:	le Size	e		Casi	ing	
				: <u> </u>						
	·									
			<u></u>							
Hole Size:				From			To			
Bits:#fr	om	to_		#from		to	#	from_	to	
Footage Cut:				Daily	Averag	e				
Circulating	Medi	um:				<u></u>				· ·
Temperature:	. :	In		Out	Dep	th	Dev	detion.	Depth	,
(of)	•		-			مراز المدون			W-1	- -
	•		c =				-	one verous and	<u> </u>	•
met o	•		200	31,000			-			■
·	-		-		PM passes differen					- -
Bit location	rel	ative to	Kell	y Bushing					<u>e</u>	
Formation:	·				an ann an	**************************************				
	····	 ,		(Serie (Charles)	<u> </u>				
Remarks: Ran	tem	p log at	fter u	ınsuccessfi	il flov	w atte	empt -	368 ⁰ F@	8100' - p	umped
										o 27.3 bbls/mir
water, perf										more cold
injected @1										
				~ ~ · · · · · · · · · · · · · · · · · ·	. 1 301	10	reu 24	т III Э э	TOW TIME	<u>remb</u> rose

265° to 273°, shut in well, nipple down BOPE, nipple up wellhead, rig blooie line, air inject 7 mins to initiate self flow, rig down air and tubing equipment and release, after 24 hrs 275°F and 47 psi through 6" James tube, judge well constriction eliminated, will release rig and flow well continuously until effects of 5,000 bbls cold water eliminated.

Period: 8 a.m. 06 / 04 / 84 to 8 a.m. 06 / 11 / 84

Well: Fish	<u> Lake 88-11</u>	Spi	ud Date	4/11/8	34	
Location: S	E of	SE Sec	. 11	T 1S	R 3	B5E_
County: Esme	ralda	State	e:Nevad	a		
Projected Dept	h: <u>6,0</u>	00'	Depth:			
Contractor: S	RC	Ri	g: <u>Will</u>	bros #10		
Geologist: De	ymonaz	Drillin	g Supervi	sor_Otis	Day	
Casing:	Interval	1	Hole Size		Casir	าดิ
				- -		
				· ·		
			·			
Hole Size:		From		To_		
Bits:#from	to	#fr	omt	#_	from	to
Footage Cut:	·	Dail	y Average			
Circulating Me	dium:	···· - · · · · · · · · · · · · · · · ·		 		
Temperature: (OF)	In	Out	Dept	h De	eviation	Depth
(-1)		-		_ -		<u></u>
			<u></u>	_ _		
		** T**	<u></u>			
				_ _		
Bit location r	elative to	Kelly Bushi	ng:			<u> </u>
Formation:				· · · · · · · · · · · · · · · · · · ·	·	
		<u> </u>				
Remarks: Clear	ed out fine	es with mud	7500' to	8117' , 10	ost circu	lation at 813
7" liner to 81	40', botton	150' slott	ed, blew	well with	nitroge:	n 1 day, coul
sustain flow,	ran temp lo	og, 365 ⁰ F081	00', atte	mpted to	blow wel	l one more da
insufficient f		ed liner pl	ugged ins	ide and	out 8115'	to 8140',
examining reme	edies.					

Period: 8 a.m. 05 / 28 / 84 to 8 a.m. 06 / 04 / 84

Well: Fish	Lake 88-11	Spud	Date 4	/11/84		
Location: S	E of S	ESec		15	R 3	<u>5E.</u>
County: Esme	ralda	State:_	Nevada			
Projected Dept	h: 6,00	O' Dep	oth:			
Contractor: S	RC	Rig:_	Willbros	#10		
Geologist: De	ymonaz	Drilling S	Supervisor_	Otis 1	Nay	
Casing:	Interval	Hol	e Size		Casin	Ĉ.
_						
_			 .		-	
_						.
Hole Size:		From		To		
Bits:#from	to	# from	to	#	_from_	to
Footage Cut:		Daily #	verage			_
Circulating Me	dium:					
Temperature: (°F)	In	Out	Depth	Dev:	iation	Depth
Bit location re	elative to Ke	elly Bushing:		-		
Formation:				<u></u>		"

Remarks: Drilled out cement to float shoe - ran cement evaluation log - competent cement reported below 3950' - poor cement from 3950' to 1050' - cement in lap good - pressure test good, drilled out float shoe and all remaining cement back to sand plug, displaced mud with water, drilled to 8157', full loss of returns, rigged for flow test with nitrogen, HOWSCO delayed 30 hours, introduced nitrogen @ 3000', five hours, well continued to self flow @ 6am 6/1/84 est. 270K lbs/hr, elected to introduce nitrogen

Drill Summary 5/28/84-6/4/84

Page 2

0 8150', encountered bridge 0 7887' confirming suspicion of unrepresentative flow, attempted to clean out well to 8150' with water without success, plan to mix mud to clea out well, then set 7" slotted liner into L.C. zone followed by flow test.

Period: 8 a.m. 05 / 21 / 84 to 8 a.m. 05 / 28 / 84

Well: Fish	Lake	88-11		Spud	Date	4/	11/84			<u></u>
Location:	SE	_of	SE	Sec	11	_T	15	R	35E	`
County: Esn	meralda	<u> </u>	-	_State:_	Nevad	a			- -	_
Projected Dep	th:	6,0	000 1	Dep	th:	8149				_
Contractor:_	SRC			Rig:_	Will	bros	#10			_
Geologist:	eymona)	Z	D _I	illing S	upervi	sor_	Otis	Day		_
Casing:	Inte	rval		Hol	e Size			Cas	ing	
	0-	14		36"				30"	l	
	0-	278		26"					·	· · ·
	0-	1051			1/2			13	3/8	
	80	2-6803	3		1/4			9	5/8	
Hole Size:			Fı	om			_To	4.4		
Bits:#fro	m	_to	#_	from	t		#	from]	_to
Footage Cut:_				_Daily A	verage					
Circulating M							-			
Temperature: (^O F)	In	l	Ou 	ıt	Depti	<u>-</u>	Dev	iation	1	Depth
·							<u>-</u>			
		_				_	<u> </u>			
						_	<u> </u>			
Bit location	relati	- ve to	 Kelly	— Bushing:					e	
Formation:				·						
Remarks: Set	cement	t and	drille	d with 12	2 1/4"	bit 1	to 770)0 - Lo	ogge	<u>d hole (du</u> al
induction -										
9 5/8" casin							•			
test cement							_			
tool and wai									<u></u>	. <u> </u>

Period: 8 a.m. 05 / 07 / 84 to 8 a.m. 05 / 14 / 84

Well: Fish	1 Lake 88-11	Spud	Date	1/11/84			
Location:	SE of S	SESec	11 т	15	R 35	<u>E</u>	
County: Esr	meralda	State:	Nevada			_	
Projected Dep	oth: 6,00	00 ' D e	pth: 6625	; t	······································	_	
Contractor:	SRC	Rig:	Willbros	s #10		_	
Geologist:	Deymonaz	Drilling	Supervisor	Otis [)ay	<u>.</u>	
Casing:	Interval	Но	le Size		Casing		
	0-14'	<u> </u>	36		30		
	0-2781		26		20	<u> </u>	
	0-1051 '		17 1/2		13_3/	<u>'8</u>	
Hole Size:	12 1/4	From	1061'	To	6625 '		
Bits:#11 fro	om 6150 to 662	5 # 10 from	5305 to 61	50 # 9	from 442	<u>4 to 5305</u>	
Footage Cut:_	1320	Daily	Average 1	89			
Circulating M	Medium: Mud @ 9	9.3 1bs/ga1.			····-		
Temperature:	In not_drill		Depth _5305		etion	Depth	
• • •	123	143	5544	4	3/4	5485	
mud cooler		143 155	<u>5875</u> 6150	1	1/2 1/2	<u>5701</u> <u>5917</u>	
	logging w	e1 <u>1</u> 160	6290		 -		
	128	151	6625		3/4	6387	
Bit location	relative to K	Kelly Bushing	80'S 287'	W	e 6	625 heade	d NE
Formation: Do	minantly metar	morphosed sar	ndstones and	d siltst	tones.		
				<u></u> _			
	<u>lling breaks:</u>						
logging	0 6150: DI,	NDL, calipre	e, SP, gamma	a, cont	inuous te	mp., time t	:emp
	<u>Deduced True</u>	Formation Te	emp @ 6120'	= 400 ⁰ F	, flow t	est eqpt. o	rdered
drillin	g ahead.						

Period: 8 a.m. 4 / 30 / 84 to 8 a.m. 5 / 7 / 84

Well:	<u>Fish La</u>	ke 88-11	·	Spud	Date		4/1	1/84			· ·	
Location:_	SE	of	SE S	ec	11		_T	15	_R_	35E	_	
County:	Esmeral	da	St	ate:		Ne	vada				_	
Projected	Depth:_	6,000'		De	pth:_		5305	1			-	
Contractor	SRC			Rig:	Wi	11b	ros :	#10		·	_	
Geologist:	Deymo	naz	Drill	ing	Super	vis	or	Otis	Day			
Casing:	Int	terval		Но	le Si	ze			C	asing	•	
	0-1	[4"	<u></u>		36					30		
	0-2	2781			26		-			20		
	0-1	1051 '	<u> </u>		17 1	/2	_			13 3/8	9	
							_					
Hole Size:	12	1/4	From	1	061			_To	530	5	·	
Bits:#9	from <u>44</u> 2	24 to 530	5 # 8	from	4349	<u>to</u>	4424	#_7	_fr	om <u>3912</u>	to 4349	
Footage Cu	t: <u>139</u>	93'	Da	ily	Avera	age_	1	991				
Circulating	g Medium	n: <u>Mud @</u>	9.5 1bs	/ga1	•							
Temperature (OF) mud	cooler	In 155 165 163 166 113 112	Out 169 180 179 181 140 139			pth 1175 1349 1408 1531 1760 5025	<u> </u>		1/4 1/4 1/2	 	Depth 4056 4296 4451 4668 4914 5162	
Bit location	on relat	ive to K	elly Bus	hing	:	35 ' S	, 26	4'W			5162'	
Formation: since 39		nantly sa	ndstone	and	silt	stor	ne; d	leduce	d as	paleo	zoic sectio	n
survey @	4330' -	data erm	atic - i	ncor	clus	ive	anal	ysis	- ju	idge tr	ran time-t	
temperatu small flu											vidence of hr.	

Period: 8 a.m. 4 / 23 / 84 to 8 a.m. 4 / 30 / 84

Well: Fish La	ke 88-11	Spud Date	4/11/84							
Location: S	<u>e</u> of s	Sec <u> </u>]	TIS	R 35F						
County: Esmeralda State: Nevada										
Projected Depth: 6,000' Depth: 3912'										
Contractor: SRCRig: Willbros #10										
Geologist: <u>J.</u>	Deymonaz	Drilling Supervi	sor <u>Otis</u> [lay						
Casing:	Interval	Hole Size		Casing						
	0-14'	36"		30"						
	0-278'			20"						
	0-1051'	17 1/2"		13 3/8"						
										
Hole Size:	12 1/4"	From 1061'	To	3912'						
Bits:# 6 fro	m 3060 to 3912	<u>2 # 5 from 2521 t</u>	o 3060 #4	from 1882 to 2521						
Footage Cut:_	2030'	Daily Average	290'							
Circulating M	ledium: <u>Mud, 9</u>	.1 to 9.4 1bs/gal.								
Temperature: (°F)	In 144 140 143 128 156 135 164	Out Dept 153 2150 150 2521 152 2793 150 3060 165 3315 169 3658 176 3912	3 3 4 3 3 3 4	Depth 2103' 2366 2627 2969 1/2 3183 3491 3894						
Bit location	relative to K	elly Bushing: 50'N,	150'W	@ 3894'						
Formation: loggers repor	Tuffs, tuff by	reccias, volcanic s = 3860-3890	andstones a	und silts, mud						
Remarks: .Tem		ression encouraging .Negligible lost c								
acceptable	.Drilling @ 10	o to 20 ft/hour.								