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President of Pride Oil & Cas Co. Inc.	²⁹ I hereby ce	-		n given above is	true and cor	nplete to the		OILC	ONSERVA	TION	DIVIS	ION	
Tile President of Pride Qil & Gas Cont Inc	²⁷ I hereby ce best of my kn	-		n given above is 1 î Ul	true and cor	nplete to the	Approved		ONSERVA	TION	DIVIS	ION	
Titles Fresheral Partner of Pride Energy Company Approval Date: Expiration Date: Date: Phone: Conditions of Approval 2001	²⁹ I hereby ce best of my kn Signature: Printed name	John	W. Pri	1 <i>î de</i>			Title:	by:		TION	DIVIS	ION	

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District. 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Bruzos Rd., Aziec, NM \$7410 District IV 2040 South Pacheco, Sents Jr., NM 87505

State of New Mexico Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

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Typical 5,000 psi choke manifold assembly with at least these minimun features



Pride Energy Company Procedure State #1-M (Re-entry) Section 1-T12S-R34E 660'fls & 660' fwl Lea County, NM

Pride Energy Company POB 701602 2250 East 73rd Street, Suite 550 Tulsa, OK 74170 918 524 9200 office 918 524 9292 fax

January 5, 2001

Project: Re-enter to 12,431' and test the Atoka and/or Morrow at 11,580'-11,700' and 11,950'-11,960'.

					surface, 10 sacks
String	Diameter'	Weight	Depth	Тор	306' base of the surface pipe, 25 sacks
Surface Casing	13-3/8"	36 ppf	306'	3'	1050' stub of the 9-5/8" casing, 25 sacks
Intermediate Casing	9-5/8"	36,40 ppf	4164'	1050'	4164' base of the 9 5/8" casing, 25 sacks
					5505 ¹ 25 applie

1050' stub of the 9-5/8" casing, 25 sacks 4164' base of the 9 5/8" casing, 25 sacks 5595', 25 sacks 7030', 25 sacks 9205', 25 sacks 9920', 25 sacks 11,030', 25 sacks

Cement Plugs:

Procedure:

- 1. Locate the well. Restore the location and road. Dig and board a cellar around the well.
- 2. Cut off the cap and extend the 13-3/8" to the proper level to match the rig sub-structure.
- 3. Install a 3,000 psi wp weld-on flanged well head. Rig-up a rotary drilling rig.
- 4. Run a 12-1/4" rock bit and drill the surface plug, the plug at 306' and the plug at 1050' to the top of the casing.
- 5. Run an 8-5/8" pilot mill and dress the inside of the casing. Run a dress-off mill and dress the top of the 9-5/8" casing.
- 6. Run a tie-back sleeve consisting of 20' of 10 ³/₄" casing with a cut-rite shoe built on the bottom on 9-5/8", 36ppf, J-55 casing.
- 7. Run an 8-5/8" bit. Clean out through the splice to next plug. Run a multi-arm caliper log to check for other shot points.
- 8. Set a retainer in the 9-5/8" casing just above the tie-back sleeve. Sting into the retainer with the drill pipe and cement the splice.
- 9. Run the 8-5/8" and drill the retainer and the cement plugs at 4,164', 5,595',7,030', 9,205', 9,920' and 11,030'. Run to 12,431'.
- 10. Condition the mud. Run laterolog, gamma-ray, neutron, density and pe logs. Note: pe for a good zone 1.8 to 2.0,<2.5.
- 11. Run 1,000' of 20 ppf and 11,431' of 17ppf, 5-1/2", P-110, 8rd, LT&C casing for casing treating. Or for tubing treating:
- 12. Run 1,800' of 20 ppf, N-80, 9,200' of 17ppf, N-80 and 1,431' of 20 ppf, S-95, 5-1/2", P-110, 8rd, LT&C casing.
- 13. Cement to above 11,000', flush with 4% KC1 water. Rig-down and clean the location.
- 14. Run a gr and cement bond log and insure that the pbtd is at least 12,100'. Set a permanent packer and profile at 11,850'.
- 15. Rig-up a work-over rig. Run a seal assembly, profile nipple and 11,850' of 2-7/8" 6.5 ppf, N-80 tubing.
- 16. Install the tree. Swab the fluid level to 5,000'. Perforate at 11,950'-11,960'. Attempt to swab dry.
- 17. Fracture treat with gelled water, CO2 and N2, 20,000 gal pad and 20,000 gal laden with 30,000 pounds of 20/40 interprop.
- 18. Flow test. Do not cause the well to stop flowing! Produce to deplete the zone or place plug in the bottom profile.
- 19. Pull the tubing. Set a packer and profile nipple on tubing at 11,500'.
- 20. Install the tree. Swab the fluid level to 5,000'. Perforate at 11,588'-11,598'; 11,642'-11,650'; 11,672"-11,678'. Attempt to swab dry.
- 21. Fracture treat with gelled water, CO2 and N2, 20,000 gal pad and 25,000 gal laden with 50,000 pounds of 20/40 interprop.
- 22. Flow test. Do not cause the well to stop flowing!
- 23. If the pressures of the two zones are similar indicating that cross-flow would be limited then pull the bottom plug. Produce.

Prepared by: R.L. Hilbun, P.E.

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D F Elev. Tubing Diame Perforated Inte Open Hole Inte Tent Before Workover	ter erval Date of	FILL T D Tubing D	IN BELOW	FOR RE ORIGIN PBTD RESULTS Gas Proc	Dil Stric Producie OF WORK	OKK REP ATA 5 Dismeter 98 Formatic OVER Vater Proc	ORTS ONL Producing In ma(s)	GOR	Depth Gas 1	Vell Potenti
D F Elev. Tubing Diame Perforated Into Open Hole Into Tent Before	ter erval Date of	FILL T D Tubing D	IN BELOW	FOR RE ORIGIN PBTD RESULTS Gas Proc	Dil Stric Producie OF WORK	OKK REP ATA 5 Dismeter 98 Formatic OVER Vater Proc	ORTS ONL Producing In ma(s)	GOR	Depth Gas 1	Vell Potenti
D F Elev. Tubing Diame Perforated Into Open Hole Into Tent Before Workovor After	ter erval Date of Test	FILL T D Tubing D	IN BELOW	FOR RE ORIGIN PBTD RESULTS Gas Proc	Oit Stric Froducio OF WORK Juction PD	OKK REP ATA Discrete B G Discrete OVER Water Proc B P1	ORTS ONL Producing In ma(s)	GOR	Depth Gas 1	Vell Potent CFPD
D F Elev. Tubing Diame Perforated Into Open Hole Into Tent Before Workovor After	ter erval Date of Test	FILL T D Tubing D Oil Pro	IN BELOW	FOR RE ORIGIN PBTD RESULTS Gas Prov MCF	Oit Stric Froducio OF WORK Juction PD	OKK REP ATA Discrete B G Discrete OVER Water Proc B P1	ORTS ONL Producing In ma(s) duction D has she infor knowledge.	GOR GOR Cubic feet/Bbl	Depth Gas M M bove is tru	Vell Potenti CFPD
D F Elev. Tubing Diame Perforated Inte Open Hole Inte Tent Before Workover After Workover	ter erval Date of Test	FILL T D Tubing D Oil Pro	IN BELOW	FOR RE ORIGIN PBTD RESULTS Gas Prov MCF	Oil Stric Oil Stric OF WORK Suction PD Level Lo the Name	OKK REP ATA Diameter Diameter OVER Water Proc BPI best of my	ORTS ONL Producing In ma(s) duction	GOR GOR GUDIC feet/Bbl	Depth Gas M M bove is tru	Vell Potent CFPD
D F Elev. Tubing Diame Perforated Inte Open Hole Inte Teat Before Workover After Workover	ter erval Date of Test	FILL T D Tubing D Oil Pro B Oil Pro B B RVATION COM	IN BELOW	FOR RE ORIGIN PBTD RESULTS Gas Prov MCF	Dil Stric Producio OF WORK Juction PD	OKK REP ATA Dismeter og Dismeter OVER Water Proc BPI best of my Hu D	ORTS ONL Producing In ma(s) duction	GOR GOR Cubic feet/Bbl mation given a S. Massar	Depth Gas M M bove is tru	Vell Potent CFPD

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If drill-stam or other special bests or desiation surveys were made, submit report on separate sheet and attach hereto

			TOOLS	Uaed			· · · ·
	aols were u		0 feet to 12,431	fest, a	ad from		
Gable to	ols were use	rd from	fest to	feet, s	nd fram		
			FBOD U	OTION			
Put to P	voducing	P.4.	9/18 1964				
OIL WI	LL: The	productio	en during the first 24 hours was	** *****	ber	rels of liq	uid of which
GAS WE			a during the first 24 hours was		M.C.F. pl	ul	: hamalı
			arbon. Shut is Pressure				
Kennth	•	-					۰. پ
-			ELOW FORMATION TOPS (IN CON				:
المرجع		WATE B	Southensiers New Mexico	URBAN		uroun	Northwestern New Mexico
T. Ank	2070		T. Devogian		· · .		Ojo Alamo
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T. Miu	(Lowe	<u>r) 12</u>	380 т.			T.	
			FORMATIO	n reco	RD		
From	To	Thickness in Fect	Formation	From	To	Thickness in Feet	Formation
0	2070	2070	Red beds w/sm.thin f.				Wire line D.S.T.
v	2070	2070	sd. A strgs.anhy-gyp.	6 •			10744-47. Sampling
2070	2840	770	Anhy.,gyp.,sm.salt & red beds.				time 20 min. Rec. 20,800 c.c.
2840	4140	1300	Red sh, anhy, dol,				water, N.S. (60% fm, wtr. A
4140	5600	1460	occas, red f.g.sd Del 4 line				40% filt. vtr.)
5600	7800		Nostly dolo.4 anhy.sm		:		Shut-in 3750-3700
	l'		gry f.g.sd.sones.				FP 100-3700
7800	9200	1400	Hostly red & grn sh. upper 2/3 Apredom dol				l i
			bot. 1/3				
9200	9600	400	Fredom. 11me w/thin				· · · · · · · · · · · · · · · · · · ·
-		3 200	sh. strks. Alternating lime & sh				·
9 60 0 L100	11500		Predom, lime w/thin sh				
1500	120 50		Predom, sh, w/thin Im				
			A sd. strgs.				• •
20 50	12200		Colitic lime		1		
2200	12380	180	Predom. sh w/1m strgs			1	
2380	T.D.	151	Lime		1		

12380 180 Predom. sh w/lm strgs. T.D. 151 Lime

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I bereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it s 11/18 as can be determined from available records. dual to de

Company or Operator_Hanagan Petroleum Corp.	Address C. Box 1737, Roswell, R. Hez.
Name Hugh E. Hanagan	Podese at Title Vice President

Proposed



Wellbore Data Schematic

Schematic Prepared By: John Pride Phone: (918) 524–9200 Fax: (918) 524–9292 E-mail: johnp@pride-energy.com