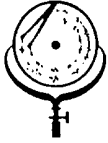


"Let Interest in Measurement be our Concern"



PRECISION SERVICE INC.

Flow Measurement Engineers
Analysis Results Summary
Casper, WY 82601

Run No. 1220-1
Date Run 12/20/85
Date Sampled 12/19/85

Analysis For: BENNETT & CATHEY WRLN.

Lease: Carthel Federal Producer The Eastland Oil Company
Location Sec 5, T23S, R29E County Eddy State New Mexico
Purpose Well test Sampled By B & C Wrln.
Sampling Temp. 60 °F Atmos Temp. °F
Volume/day 1246 MCF Formation Atoka
Pressure on Bomb 270 PSIG; Line Pressure 283.2 PSIA PSIG

Gas Component Analysis Press. Base: 14.73

	Mol. %	Liq. %	GPM Per MCF
Carbon Dioxide CO ₂	<u>.627</u>		
Oxygen O ₂			
Nitrogen N ₂	<u>.871</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>95.335</u>		<u>16.159</u>
Ethane C ₂	<u>2.235</u>		<u>.598</u>
Propane C ₃	<u>.390</u>		<u>.107</u>
Iso-Butane IC ₄	<u>.061</u>		<u>.020</u>
Nor-Butane NC ₄	<u>.069</u>		<u>.022</u>
Iso-Pentane IC ₅	<u>.037</u>		<u>.014</u>
Nor-Pentane NC ₅	<u>.031</u>		<u>.011</u>
Hexanes plus	<u>.345</u>		<u>.159</u>
Hexanes C ₆			
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>		<u>17.089</u>
Pentane + G.P.M.			<u>.184</u>
Propane + GPM			<u>.333</u>
5-lb Gasoline			<u>.308</u>

BTU Dry 1043
BTU Wet 1025
Calc. Specific Gravity .592

@ Std. Press. 14.696

BTU Dry 1040
BTU Wet 1022

Calc. Vap. Press. #/Sq.In.
Reid Vap. Press. #/Sq.In.

Z Factor .9979
N Value 1.3034
Ave Mol Wt 17.1283
Ave Cu Et/Gal

Run by Jeffrey A. Propp

Calculated By Jeffrey A. Propp

Ethane + GPM .931

Remarks:

Distribution:

OIL CONSERVATION DIVISION

P. O. BOX 2088

RECEIVED BY NEW MEXICO 87501

JUN 20 1986

AUTHORITY TO TRANSPORT OIL AND NATURAL GAS
ARTESIA, OFFICE

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Operator	

The Eastland Oil Company

Address
P.O. Drawer 3488, Midland, Texas 79702

Reason(s) for filing (Check proper box)

New Well	☒	Change in Transporter of:	
Recompletion	☐	Oil	☐
Change in Ownership	☐	Casinghead Gas	☐
		Dry Gas	☐
		Condensate	☐

Other (Please explain)

Originally drilled and completed in Morrow from 12,727' to 12,734' by Cibola Energy Corp on 11-07-81
Plugged and abandoned April, 1983

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE API # 30-015-23389

Lease Name	Carthel Federal (com)	Well No.	2	Pool Name, including Formation	North Laguna Salada -	Kind of Lease	Federal	Lease No.	NM-59383
Location	Atoka Gas								
Unit Letter	G	: 2030	Feet From The	North	Line and	2080	Feet From The	East	
Line of Section	5	Township	23S	Range	29E	NMPM, Eddy	County,		

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)					
Llano, Inc	Box 1320, Hobbs, New Mexico 88240					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					No	6-30-86 7-9-86

If this production is commingled with that from any other lease or pool, give commingling order number: No

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Reservoir	Diff. Res.
		X				X		X
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
6-18-81	12-17-85		13,270'			12,119'		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
3003' GR	Atoka		11,990			11,825'		
Perforations	11,990'-12,014' (2 shots per ft) Atoka			Depth Casing Shoe			13,270'	

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
40"	30"	30'	5 yds ready-mix
26"	20"	496'	700 sx 2% CaCl2
17-1/2"	13-3/8"	2863'	4000 sx Lite, 200sx C
12-1/4"	9-5/8"	10249'	3400 sx Lite, 500 sx C

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top all able for this depth or be for full 24 hours)

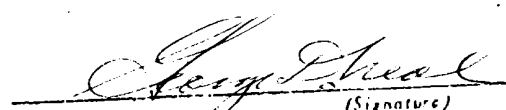
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
		Casing Pressure	Choke Size
Length of Test	Tubing Pressure	Water - Bbls.	Gas - MCF
Actual Prod. During Test	Oil - Bbls.		

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1,600	21 hours	None	---
Testing Method (pilot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
Back Pressure	5950	Packer	9/64

I. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


George D. Neal
(Signature)

Vice President, Production

June 24, 1986

OIL CONSERVATION DIVISION

JUL 30 1986

APPROVED _____, 19

Original Signed By
BY Les A. Clements

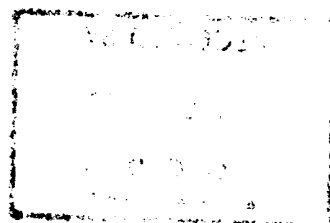
TITLE Supervisor District II

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the devils tests taken on the well in accordance with RULE 111.

All sections of this form can be filled out completely for a well on new and recompleting wells.

Fill out only Sections I, II, III, and VI for existing wells.



U.S. DEPT. OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D.C.