

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form O-104
Superseding OIL C-101 and C-1
Effective 1-1-65

RECEIVED

MAY - 7 1980

O. C. D.

ARTESIA, OFFICE

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DISTRIBUTION	
SANTA FE	1
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D.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRODUCTION OFFICE	

Operator

C & K Petroleum, Inc.

Address

P.O. Drawer 3546, Midland, Texas 79702

Reason(s) for filing (Check proper box)

New Well ☒ Change In Transporter of:
Re-completion ☐ Oil ☐ Dry Gas ☒
Change In Ownership ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain)

If change of ownership give name
and address of previous owner

2. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
"CK" Federal	2-Z	Undesignated-Delaware	State, Federal or Fee Federal	15295
Location	Unit Letter	Feet From The	Line and	Feet From The
	J	1650	South	1748
			East	
Line of Section	8	Township	24-S	Range
			26-E	N.M.P.M.
				Eddy
				County

3. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
None						
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Co.	P.O. Box 1492, El Paso, Texas 79999					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	J	8	24-S	26-E	No Yes	7-11-80 Within 15 days

If this production is commingled with that from any other lease or pool, give commingling order number:

4. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Stake Rest'n	Perf. Test
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
3-10-80	4-13-80	3000'	2957'					
Elevations (B.F., R.A.B., RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Testing Depth					
3481.9 Gr.	Delaware	2619 2870'	2536'					
Perforations			Depth Casing Shoe					
2619-2870			3000					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
11	8-5/8"	2000'	1000 sx. Cl. "C"					
7-5/8	5-1/2"	3000'	320 sx. Cl. "H"					
Tubing	2-3/8"	2536'						

5. 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 trip allowable 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.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Lbbs. Condensate/MCF	Gravity of Condensate
4-18-80	1	None	None
Testing Method (Flow, Back pr.)	Tubing Pressure (Shot-in)	Casing Pressure (Shot-in)	Choke Size
Back Pressure	1129	1129	16/64

6. CERTIFICATION OF COMPLIANCE

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

Administrative Supervisor

April 28, 1980

OIL CONSERVATION COMMISSION

APPROVED

AUG 26 1980

BY

TITLE

SUPERVISOR, DISTRICT 7

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

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

All portions of this form must be filled out completely for newly drilled or newly recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of conditions.

DATE	STATUS OF OPERATIONS																
4-3	<p>Shut in 16-1/2 hrs., SITP 960 psi; Open choke, bled gas off tubing in 10 minutes; Run swab, found approximately 100' of fluid above seating nipple; Unseat packer, lowered packer to top of bridge plug; Set packer, tested bridge plug 1200 psi, held ok; Circulate 2 bbls. 7-1/2% acid to spot across perf 2,700' to 2,785'; Raised packer and set @ 2,670', swab tubing dry; Acidized perf 2,700' to 2,785', 22 holes with 2000 gallons 7-1/2% acid with 500 SCF N₂/barrel and using 35 ball sealers; Perfs started taking acid @ 1800 psi and broke back to 1500 psi @ 2-1/2 BPM; Had fair ball action, pressure increases of 50 psi, 60 psi and 75 psi and one increase from 1500 psi to 2000 psi; ISDP 1750 psi; Total load to recover is 52 bbls.; Open to flow back, flowed 7 BLW and died; Run swab, found scattered fluid 1000' from surface; Swab 8 BLW and swab dry to seating nipple, had continuous gas flow to surface, estimated 30 MCF; Gas increased to 51 MCF after 2 hrs.; Run swab, pulled 1-1/2 BLW with trace of oil; Shut well in for 4 hrs., for pressure build up; 1st 30 minutes, TP 400 psi, at end of 4 hrs., TP 1000 psi and still building; Open well to flow on 3/4" choke overnight; This a.m., flowing to test tank past 10 hrs., flowed 10 bbls. of fluid and load acid water with trace of oil; Measured gas volume, now at 55 MCF; 28 bbls. acid water to recover; Completion Cost To Date: <u>\$67,868</u></p>																
4-3 (Cont)	<p>Past 10 hrs., flowing to test tank, flowed 10 bbls. of fluid, load acid water with trace of oil, gas volume 55 MCF, 28 bbls. acid water to recover (perf 2,700' to 2,785'); 1st swab run, found small amount scattered fluid, recovered 1 BW, 5% oil emulsion; gas volume 76.2 MCF; 2nd swab run, found scattered fluid, recovered 1/2 BW, 20% emulsion, 5% to 10% oil emulsion; Gas volume 44.6 MCF; 3rd swab run, recovered 1/4 bbl. of fluid; 4th swab run, recovered 0 fluid, measured gas volume 51.1 MCF; on 5th swab run, found scattered fluid, recovered 1 BW, 5.5% oil emulsion; 6th swab run, gas volume 44.6 MCF; 7th swab run, recovered 1-1/2 BW, 5.5% emulsion; (total swabbed today was 5 BW, gas volume 59.8 MCF; Shut well in @ 3:00 p.m. for 4 hrs. for pressure build up; At 3:30 P.M., SITP 280 psi, 4:00 p.m., SITP 490 psi, 4:30 p.m. SITP 630 psi, 7:00 p.m., SITP 910 psi and still building; 23 bbls. acid load to recover; Open well to flow @ 7:00 p.m., left flowing overnight; Water analysis by Dowell:</p> <table data-bbox="617 1393 1299 1659"> <tbody> <tr> <td>Spec. Gravity</td><td>1.125</td></tr> <tr> <td>pH</td><td>6.5</td></tr> <tr> <td>Chl</td><td>117,150 ppm</td></tr> <tr> <td>Cal</td><td>2,245 ppm</td></tr> <tr> <td>Mag</td><td>607 ppm</td></tr> <tr> <td>Bi-Carb</td><td>134 ppm</td></tr> <tr> <td>Sulphate</td><td>500 ppm</td></tr> <tr> <td>Sodium</td><td>71,977 ppm</td></tr> </tbody> </table> <p>Break down of emulsion, 1/2% oil, water and formation solids; Completion Cost to Date: <u>\$69,077</u></p>	Spec. Gravity	1.125	pH	6.5	Chl	117,150 ppm	Cal	2,245 ppm	Mag	607 ppm	Bi-Carb	134 ppm	Sulphate	500 ppm	Sodium	71,977 ppm
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4-4	<p>Left flowing overnight for 13 hrs., flowed 9 BLW, gas volume 44.6 MCF, 3/4" choke; Ran swab found some scattered fluid, recovered 1 BLW, 5% emulsion, total swab and flowed from perf 2,700' to 2,785' past 24 hrs., flowed 15 BLW, 13 bbls. load acid water to recover; Load tubing with 15 bbls. 9.3# water; Unseat packer, lower packer, released bridge plug at 2,794'; Raised bridge plug and set @ 2,668'; Test bridge plug 1000# - held OK; Pulled tubing</p>																