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LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

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

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

I. Operator  
**Rock Island Oil & Refining Co., Inc.**  
Address  
**321 West Douglas, Wichita, Kansas**  
Reason(s) for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐ **Workover**

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE  
Lease Name **Walker** Well No. **1** Pool Name, including Formation **Blanco, Mesa Verde** Kind of Lease **Federal**  
State, Federal or Fee  
Location  
Unit Letter **A** **990** Feet From The **North** Line and **990** Feet From The **East**  
Line of Section **13**, Township **31-N** Range **10-W**, NMFM, **San Juan** 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)  
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. Is gas actually connected? When

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

IV. COMPLETION DATA  
Designate Type of Completion - (X) Oil Well Gas Well New Well Workover Deepen Plug Back Same Res'v. Diff. Res'v.  
Date Spudded **1/24/65** Date Compl. Ready to Prod. **1/30/65** Total Depth **5931' K.B.** P.B.T.D.  
Pool **Blanco, NV** Name of Producing Formation **Mesa Verde** Top Oil/Gas Pay **5050' (+1527)** Tubing Depth **5781' K.B.**  
Perforations **Open Hole 5004' K.B. - 5931' K.B.** Depth Casing Shoe **5004' K.B.**  
TUBING, CASING, AND CEMENTING RECORD  
HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT  
**12 1/4** **10 3/4"** **145'** **100**  
**8 3/4** **7"** **5004'** **450**  
**6 1/2** **2 7/8"** **5781'** **None**

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 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	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size

VI. CERTIFICATE 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.

*T. D. Ables*  
(Signature) **T. D. ABLES**

(Title) **Petroleum Engineer**

(Date) **February 8, 1965**

(Date)

OIL CONSERVATION COMMISSION

APPROVED **FEB 17 1965**, 19

BY **Original Signed Emery C. Arnold**

TITLE **Supervisor Dist. # 3**

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 deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

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

Separate Forms C-104 must be filed for each pool in multiply completed wells.

RTB  
File

ROCK ISLAND OIL & REFINING CO., INC.

PRODUCTION DEPARTMENT  
WORKOVER RECORD

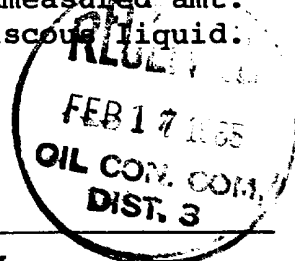
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District: NW New Mexico Date: February 1, 1965  
Lease: Walker Well No.: 1 Field: Blanco MV  
Sec. 13 Twp. 31-N Rge. 10-W; County: San Juan State: New Mexico  
Operation Commenced: January 25, 1965 Operation Completed: January 30, 1965  
Nature of Operation: Clean out 2 7/8" tbg. and perf additional holes in 2 7/8"  
tbg. Run Siphon String inside 2 7/8" tbg.

Producing formation and interval before this operation; Mesa Verde - Open hole interval 5008' K.B.  
to 5931' K.B.

Producing Zone (s) after Operation : P.B.T.D. After recompletion: \_\_\_\_\_ Ft. (mark out P.B. if not applicable)

Formation	Interval	Natural Test	Treatment	Final Test
Mesa Verde	5008 - 5931	Thru csg. annulus 2.3 M <sup>2</sup> CFPD	Clean out inside 2 7/8 tbg. Perf add. holes in 2 7/8 tbg. Run 1 1/4" Siphon String. (See below)	Thru csg. annulus 2.5 M <sup>2</sup> CFPD plus unmeasured amt. viscous liquid.



Details of operation; all plugs, perforations, cementing, treatments, tests, logs, etc., in chronological order.

1/24/65 Moved in pulling unit.  
1/25/65 RU PU & blowing well down - shut-down wind blowing gas back over unit to where operations are dangerous. Wind and blowing snow. Left well blowing through casing.  
1/26/65 Csg. open - gauged 2.3 MMCF through casing - gas contains liquid (oil) with high pour point (appearance of wax). Ran 1 1/4" tbg. inside 2 7/8" tbg. to 5431 - hook up PL gas to 1 1/4" w/480 psi. Could not get circulation through 2 7/8" X 1 1/4" annulus. Shut in csg., left PL gas 480 psi press on 1 1/4" - no flow through 2 7/8" X 1 1/4" annulus - left as is overnight.  
1/27/65 Csg. closed - 375 psi on csg. (overnight build-up). 2 7/8" X 1 1/4" annulus open - no flow overnight 1 1/4" w/PL gas tied in & 480 psi. Disconnect PL gas from 1 1/4" and blow 1 1/4" down, then started flowing gas, viscous oil, little mud and little sd. through 1 1/4" - No flow on 2 7/8" X 1 1/4" annulus - Csg. press dropped on down to -0- psi w/flow through 1 1/4". Connected PL gas to 2 7/8" X 1 1/4" annulus - 1 1/4" open, csg. closed. Could not break circ through 2 7/8 X 1 1/4 annulus. Started pulling 1 1/4" tbg. - Pulled tight until bottom of 1 1/4" was above perf @ 5214' - then 1 1/4" freed up and started circulating down 2 7/8" X 1 1/4" annulus and up 1 1/4" with csg. closed - Shut down for night with conditions as follows:

PL gas into 2 7/8" X 1 1/4" annulus @ 480 psi - FP, Csg. closed. 1 1/4" open and flowing making gas and liquid.

Tom Allen

1/28/65 Still flowing as was left. Lowered 1½" 1 jnt. below perf @ 5214' and 1½" hung-up -- Worked 1½" put on another jnt. 1½" pipe - will go down but not up - worked 1½". Shut off PL gas flow on 2 7/8" X 1½" and 1½" immediately. Freed-up. Bottom of 1½" at approx. 5250'. Flowing through 1½" - csg. closed with 375 psi - 2 7/8" X 1½" annulus closed. Gauged flow through 1½" to atmosphere. 1.210 M<sup>2</sup>CF w/375 psi FCP making lots of viscous liquid. Connect PL gas to 1½", open 2 7/8" X 1½" annulus - close csg. - Circulate OK. Drld. 6' - 8' of bridge starting at 5251' - 1½" fell free in 2 7/8" - Ran 1½" to 5750' and hit solid - Blackie thinks this is top of anchor jnt. - 1½" is free and all annuluses are free. Est. flow increase about 100 MCFD - Shut down for night. At shut down 1½" conn. to PL gas @ 480 psi. 2 7/8" X 1½" annulus open to atmosphere & flowing gas plus liquid. Csg. open to atmosphere and flowing gas plus liquid. Well is still making plenty of viscous liquid.

1/29/65 Overnight flow through annuluses OK. Pulled 1½" tbq. Perf 2 7/8" tbq., one hole at following intervals 5215', 5222', 5230', 5235', 5255', 5362', 5368', 5465', 5470', 5655', 5660', 5665', 5670', 5675', 5680', 5685'. Started running 1½" tbq. open ended, gauged through csg., approx. 2.5 M<sup>2</sup>CFD plus unmeasured amount of viscous liquid. Shut in overnight.

1/30/65 Finished running 1½" tbq. - flanged up wellhead. Released PU.

*Tom Allen*