

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. S.F. 079402  
Unit L. L. McConnell

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	<input checked="" type="checkbox"/>	Surface	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SAMPLES	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	<input type="checkbox"/>	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY	<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**L. L. McConnell** May 27, 1958  
Well No. 7 is located 1190 ft. from N line and 990 ft. from W line of sec. 30  
NW 1/4 Section 30 25N 3M R.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
South Blance (F.C.) Rio Arriba New Mexico  
(Field) (County or Subdivision) (State or Territory)

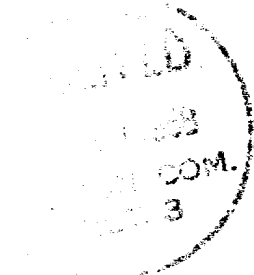
The elevation of the derrick floor above sea level is 7187 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**SPURIED: 3:00 P.M., April 26, 1958.**

**Run 7 jts. (219') 10-3/4" casing and set at 229' with 200 sacks regular cement, 2% CaCl. Cement circulated to surface.**



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SKELLY OIL COMPANY

Address Box 416

FAIRMONT, NEW MEXICO

By (Signed) J. I. [illegible]

Title District Superintendent

2000 F.M. April 26, 1928.  
S. F. O'Connell  
J. I. McGowan

I certify

May 27

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J. I. McGowan

W. A. McGowan

South Kansas (S.C.)

W. A. McGowan

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2000 F.M. April 26, 1928.

W. A. McGowan (S.C.)  
S. F. O'Connell  
J. I. McGowan

Division Superintendent

Initial Deliverability  
Test

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA  
EXCEPT BARKER DOME STORAGE AREA)

Pool South Blanco Formation Pictured Cliffs County RA  
Purchasing Pipeline Pacific Northwest Date Test Filed December 9, 1958  
Operator Skelly Oil Company Lease L. L. McConnell Well No. 7  
Unit \* / > Sec. 30 Twp. 25N Rge. 3W Pay Zone: From 3659 To 3673  
Casing: OD 5 1/2 WT. 14 Set At 3659 Tubing: OD 2 WT. 4.70 T. Perf. 3626  
Produced Through: Casing \_\_\_\_\_ Tubing X Gas Gravity: Measured .680 Estimated \_\_\_\_\_  
Date of Flow Test: From 10/30/58 To 11/7/58 \* Date S.I.P. Measured 11/15/58  
Meter Run Size 4" Orifice Size 1.250 Type Chart SR Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (a)  
Flowing tubing pressure (Dwt) 433 psig + 12 = 445 psia (b)  
Flowing meter pressure (Dwt) 431 psig + 12 = 444 psia (c)  
Flowing meter pressure (meter reading when Dwt. measurement taken):  
Normal chart reading \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (d)  
Square root chart reading (6.68)<sup>2</sup> x spring constant 10.00 = 446 psia (d)  
Meter error (c) - (d) or (d) - (c) \_\_\_\_\_ ± \_\_\_\_\_ = - 2 psi (e)  
Friction loss, Flowing column to meter:  
(b) - (c) Flow through tubing: (a) - (c) Flow through casing \_\_\_\_\_ = 1 psi (f)  
Seven day average static meter pressure (from meter chart):  
Normal chart average reading 436 psig + 12 = 448 psia (g)  
Square root chart average reading (\_\_\_\_\_) <sup>2</sup> x sp. const. \_\_\_\_\_ = \_\_\_\_\_ psia (g)  
Corrected seven day avge. meter press. (p<sub>f</sub>) (g) + (e) \_\_\_\_\_ = 446 psia (h)  
P<sub>t</sub> = (h) + (f) \_\_\_\_\_ = 447 psia (i)  
Wellhead casing shut-in pressure (Dwt) \_\_\_\_\_ psig + 12 = \_\_\_\_\_ psia (j)  
Wellhead tubing shut-in pressure (Dwt) 736 psig + 12 = 748 psia (k)  
P<sub>c</sub> = (j) or (k) whichever well flowed through \_\_\_\_\_ = 748 psia (l)  
Flowing Temp. (Meter Run) 63 °F + 460 \_\_\_\_\_ = 523 °Abs (m)  
P<sub>d</sub> = 1/2 P<sub>c</sub> = 1/2 (l) \_\_\_\_\_ = 374 psia (n)

Q = 89 X  $\left( \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{444}{446} = .9978 \right)^* = \underline{89} \text{ MCF/day}$   
(Integrated)

DELIVERABILITY CALCULATION

D = Q 89  $\left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{419,628}{359,695}^{.85} = 1.1666^{.85} = 1.1394 = \underline{101} \text{ MCF/day}$

SUMMARY

P<sub>c</sub> = 748 psia Company Skelly Oil Company  
Q = 89 Mcf/day By P. E. Cosper  
P<sub>w</sub> = 447 psia Title District Superintendent  
P<sub>d</sub> = 374 psia Witnessed by \_\_\_\_\_  
D = 101 Mcf/day Company \_\_\_\_\_

- \* This is date of completion test.
- \* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e <sup>-S</sup> )	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>c</sub> Q) <sup>2</sup> (1-e <sup>-S</sup> ) R <sup>2</sup>	P <sub>t</sub> <sup>2</sup> (Column i)	P <sub>t</sub> <sup>2</sup> + R <sup>2</sup>	P <sub>w</sub>
			Negligible			

OK

