

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Wildcat Date: October 16, 1951
 Company: Stanolind Oil & Gas Co. Lease: T. W. Arnold Well No. 1
 County: Lea Sec. 11 Twp. 20-S Rge. 38-E Loc. 1980' from North & West
4.892" ID casing set @ 6792' ; 1.995" ID tubing 2.375" OD tubing set @ 7158'
 Pay zone from 6760 to 6790 ; Separator gas gr. .697 Barometer rdg. _____
 Reservoir temperature 90 ° Produced through: csg. _____ tbg. x
 Average gas/liquid ratio during test: _____ Cu. ft. / bbl. gravity of liquid 54.5 ° API
 Size of meter run or prover: 4" Meter Run

OBSERVED DATA

Wellhead shut-in pressure, P_w Casing 2095 Tubing 1820 PSIA

Run No.	Orifice Size	Orifice x Line	Meter Pressures		Coefficient C Flg. tap Pipe tap	Wellhead Pr.		Flowing Temp.	
			Static P_m Abs.	Diff. h_w		Casing P_{wc} Abs.	Tubing P_{wc} Abs.	Meter	Wellhead
1	2"	4"	75	52	25,922.4	1298	1194	40°F.	
2	2"	4"	69	70	25,922.4	886	613	42°F.	
3	2-1/2"	4"	70	28	43,543.2	656	419	52°F.	
4	2-1/2"	4"	75	28	43,543.2	534	239	58°F.	

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	1,692.32	4,295
2	1,892.88	5,806
3	2,002.88	6,411
4	2,049.32	6,649
5		

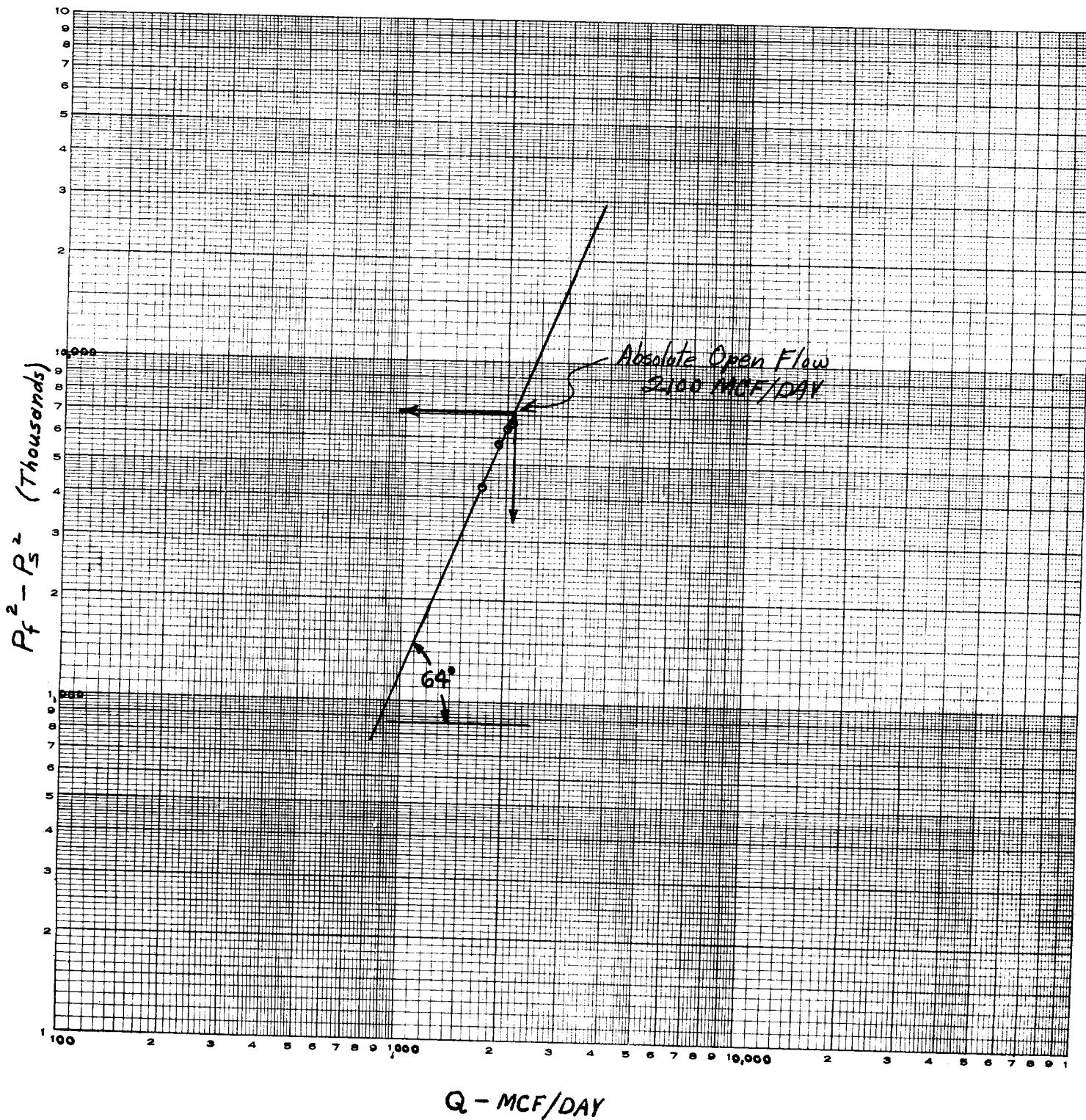
Absolute Open Flow 2,100 MCF/DAY

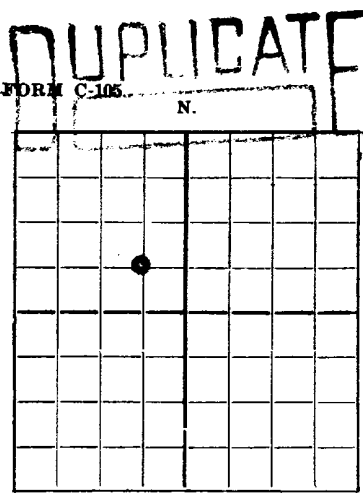
CERTIFICATION: I hereby swear or affirm that, to the best of my knowledge, the information given above is true and correct.

Name: *A. P. ...* Position: Field Engineer

Company: Stanolind Oil & Gas Co. Address: Box 68; Hobbs, New Mexico

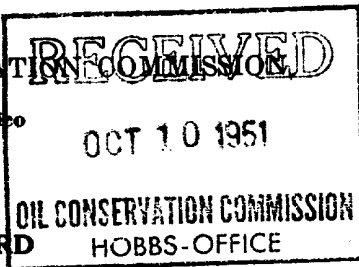
Please plot curve on back





NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or Cooper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Stanolind Oil and Gas Company

T. W. Arnold "A"

Well No. 1 Company or Operator Stanolind Oil and Gas Company Lease 11 of Sec. 11, T. 20-S

R. 38-E, N. M. P. M., Wildcat Field, Lea County.

Well is 1980 feet south of the North line and 3300 feet west of the East line of Sec. 11, T-20-S, R-38-E.

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is Arnold Estate, Address c/o D.E. Howse, Hobbs, N.M.

If Government land the permittee is _____, Address _____

The Lessee is Stanolind Oil and Gas Company, Address Box 591, Tulsa, Oklahoma

Drilling commenced April 16 19 51 Drilling was completed June 26 19 51

Name of drilling contractor Ard Drilling Company, Address Box 807, Abilene, Texas

Elevation above sea level at top of casing 3586 feet.

The information given is to be kept confidential until Not Confidential 19 _____

OIL SANDS OR ZONES

No. 1, from 6750 to 6850 No. 4, from _____ to _____
 No. 2, from 7032 to 7120 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.
 No. 2, from _____ to _____ feet.
 No. 3, from _____ to _____ feet.
 No. 4, from _____ to _____ feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM TO	PURPOSE
13-3/8	36#	Slip-on	ARMCO	333	T.P.			Surface Csg
9-5/8	32.3 & 36#	8	J-55 & H-40	3873	Baker			Intermediate Casing
5-1/2	15.5# & 17#	8	J-55	7200	Baker			Oil String Casing

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4	13-3/8	333	350	Plug (Baker)		
12-1/4	9-5/8	3855	730	Plug (Baker)		
7-7/8	5-1/2	7158	275	Plug (Baker)		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
		15% Acid	3500 Gal		6760-90	
		15% Acid	8500 Gal		7000-7055	
		15% Acid	3500 Gal		7070-7120	

Results of shooting or chemical treatment Produced 2100 MCF Gas per day.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 7170 feet, and from _____ feet to _____ feet.
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to producing Shut In, 19 _____
 The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be _____
 If gas well, cu. ft. per 24 hours 2100 Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 2095

EMPLOYEES

J. H. Parrott, Driller R. A. Beck, Driller
Paul Williford, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 8th

Hobbs, New Mexico - 10-8-51 Date

day of October, 19 51

Name [Signature]
 Position Production Foreman

[Signature] Notary Public

Representing Stanolind Oil & Gas Co.
 Company or Operator.

My Commission expires _____

Address Box 68 - Hobbs, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	1620	1620	Red beds, Caliche, and surface sds.
1620	4515	2895	Anhydrite, Salt & Gyp
4515	7170 TD	2655	Lime
Elev: DF 3600'			
Top: Anhydrite 1590			
" San Andres 4300			
" Glorieta 5645			
" Tubbs 6625			
<p>DST #1 - 4295 - 4430 - Tool open 2 hrs. 5/8" bottom and 1" surface chokes. Moderate blow of air at once remaining steady throughout test. Recovered 1500' of gas in drill pipe 120' of heavy oil and gas cut mud 270' of G & O cut mud and 30' of sulphur H₂O. FBHP 145 psi. 15 min SIBHP 265 psi.</p>			
<p>DST #2 - 5675 - 5730 Test top zone of Paddock. Tool open 2 hours. 5/8" bottom and 1" Surface chokes. Wead blow of air at once gradually deminishing and died after 95 min. Rec. 30' of drilling mud and 450' sulphur H₂O. BHFP 25-250 psi. 15 min. SIBHP failed to record.</p>			
<p>DST #3 - 6750- 6850. Tool open 3 hrs. 5/8" bottom and 1" surface choke. Strong blow of air at once. Strong blow of sweet gas to surface in 3 min. remainin throughout test. Metered thru 1" orifice at rate of 468 MCFPD. Rec. 40' GCM 180' HO & GCM 90' of Slight mud cut oil and 120' of mud and oil cut water. FBHP 170 to 240 psi. 15 min. SIBHP 2620 psi.</p>			