Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: S. -078872A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Bolack

2. NAME OF OPERATOR: HUSKY OIL COMPANY

9. WELL NO.: #3-R

3. ADDRESS OF OPERATOR: 600 South Cherry; Denver, Colorado 80222

10. FIELD AND POOL, OR WILDCAT: Basin, Dakota

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface 1550' FNL and 1950' FEL
At top prod. interval reported below
At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 21, 27N, 11W

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: San Juan | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5/6/80	5/22/80		6317' GR, 6333' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6666'	6632'		→	All	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Dakota 6551'-72'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: FDC-CNL, IEL-SFL

27. WAS WELL CORED: No

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	279'	12-1/4"	200 sx Cl "B", 2% CaCl + 1/4#/sk flocele	
4-1/2"	10.5#	6666'	7-7/8"	1600 sx total Cl "B"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6561'	

31. PERFORATION RECORD (*Interval, size and number*)
6551'-72', 2 SPF, .32" hole

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6551'-72'	1000 gal 15% HCl
	frac w/155M# sd

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
7-1-80	flowing	producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-10-80	5	3/4	→	--	43 MCFD	--	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
14 PSIG	328 PSIG	→	--	43	--	--

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented

TEST WITNESSED BY: Tefteller

35. LIST OF ATTACHMENTS: Backpressure test & logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED M. Kuie TITLE Division Production Supt. DATE 7-11-80

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Kirkland	970'	
Fruitland	1700'	
Pic Cliffs	1940'	
Pt. Lookout	4224'	
Mancos	4640'	
Gallup	5530'	
Huerfana	5895'	
Greenhorn	6400'	
Graneros Sh	6448'	
Dakota	6551'	

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GPO 680-147

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 6/10/80

Company: HUSKY OIL COMPANY	Connection: El Paso			
Pool: Basin, Dakota	Formation: Dakota			Unit
Completion Date	Total Depth: 6666'	Plug Back TD: 6632'	Elevation: 6333' KB	Farm or Lease Name: Bolack
Csg. Size: — / Wt.: 10.5 / d: 4½" / Set At: 6666'		Perforations: From — To		Well No.: 3-R
Tbg. Size: — / Wt.: — / d: 2-3/8" / Set At: 6561'		Perforations: From 6551' To 6572'		Unit: K / Sec.: 21 / Twp.: 27N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: —	Mean Annual Temp. °F	Baro. Press. – P_a: 15	State: New Mexico
L: 6561 / H: 6561	Gg: 0.6	% CO_2	% N_2	% H_2S — Prover: 2" — Meter Run — Taps

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							600		600		
1.	2"	X	¾"	14		87	14	87			7
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	26.51		29				42.7
2							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio: Gas — Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: — Deg.
Specific Gravity Separator Gas: 0.6 (est) — XXXXXXXX
Specific Gravity Flowing Fluid: XXXXX — P.S.I.A.
Critical Pressure: — P.S.I.A.
Critical Temperature: — °R

P_c 688 P_c^2 473,344

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	1156		1156	472,188
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.002$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.002$

$AOF = Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 42.8$

Absolute Open Flow: 42.8 Mcfd @ 15.025 — Angle of Slope θ: 45 — Slope, n: 1.0

Remarks: Slope assumed to be 1.0 since no previous testing is available. Flow rate was measured with a 2" critical flow prover.

Approved By Commission:	Conducted By:	Calculated By: George Popovec	Checked By: