

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____				7. UNIT AGREEMENT NAME Southeast Cha Cha	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. LVSER. ☐ Other _____				8. FARM OR LEASE NAME	
2. NAME OF OPERATOR Hicks Oil & Gas, Inc.				9. WELL NO #40	
3. ADDRESS OF OPERATOR P.O. Box 174, Farmington, N.M. 87401				10. FIELD AND POOL, OR WILDCAT Cha Cha Gallup	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 700' from North Line and 1980' from West Line At top prod. interval reported below At total depth				11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA Sec. 17, T28N, R13W	
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH San Juan	13. STATE N.M.
15. DATE SPUN 3-15-82	16. DATE T.D. REACHED 3-24-82	17. DATE COMPL. (Ready to prod.) 6-25-82	18. ELEVATIONS (DF, RKB, ET, GE, ETC.)* 6024 Gr. 6035	19. ELEV. CASINGHEAD 6025	
20. TOTAL DEPTH, MD & TVD 5800'	21. PLUG BACK T.D., MD & TVD 5728'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS LOGGED TOOLS DRILLED BY _____	24. CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5384-94'; 5646'-54'; 5698-5708 ; Gallup				25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN 'TDT', Gamma Ray, & Bond Log				27. WAS WELL CORED YES	
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	23#	399'	12 1/2	275sks (324.5 c.f.)	none
5 1/2	15.5#	5780'	7 7/8	351 sks (438 c.f.) 1st Stage	
				745 sks (1230 c.f.) 2nd Stage	
29. LINER RECORD				30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
				2 3/8	5690'
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5384-94' w/2 s.p.f. .40" Diameter				DEPTH INTERVAL (MD)	
5646-54 W/2 s.p.f. .40" Diameter				AMOUNT AND KIND OF MATERIAL USED	
5698-5708 W/2 s.p.f. .40" Diameter				5385-94 32000 gal Oil foam-5000#/100-25000# 20/40	
				5646-54 32000 " " -5000#/100-20000# 20/40	
				5698-5708 32000 " " -5000#/100-25000# 20/40	
33. PRODUCTION					
DATE FIRST PRODUCTION 6-30-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 7-9-82	HOURS TESTED 24	CHOKE SIZE NA	PROD'N. FOR TEST PERIOD →	OIL—BBL. 27	GAS—MCF. 32
FLOW, TUBING PRESS. NA	CASING PRESSURE 30 psi	CALCULATED 24 HOUR RATE →	OIL—BBL. 27	GAS—MCF. 32	WATER—BBL. 1/2
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used on lease for fuel			OIL GRAVITY-API (CORR.) 43		
35. LIST OF ATTACHMENTS Core Analysis Report					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Mike Hicks</u>		TITLE President		DATE 7-10-82	

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

NMOCC

Bob

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 attached logs.

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 production 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 describing 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; CURED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL DOWN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERY

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERTICAL DEPTH
Gallup	5394	5394	See Attached Core Analysis	OJO Alamo	185'	
	5646	5654		Fruitland	1380'	
	5698	5708		Pictured Cliff	1695'	
				Lewis	1835'	
				Cliff House	2535'	
				Menefee	3205'	
				Pt. Lookout	4100'	
				Mancos	4272'	
				Gallup	5286'	

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

for

HICKS OIL & GAS, INC.

SOUTHEAST CHA CHA NO. 40
CHA CHA GALLUP
SAN JUAN COUNTY
NEW MEXICO

DALLAS, TEXAS

HICKS OIL & GAS, INC.
SOUTHEAST CHA NO. 40
CHA CHA GALLUP
SAN JUAN COUNTY

FORMATION : CHA CHA GALLUP
DRLG. FLUID: WBM
LOCATION : NE1/4 SEC.17-28N-13W
STATE : NEW MEXICO

DATE : 3-21-82
FILE NO. : RP-3-3196
ANALYSTS : GGDS
ELEVATION: 6035 M

CONVENTIONAL CORE ANALYSIS--BOYLES LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. H.L.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION	
	5376-5377							SHALE--NO ANALYSIS	
1	5377-78	<0.01		1.1	38.6	49.6	2.66	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
2	5378-79	<0.01		1.9	46.6	38.8	2.68	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
3	5379-80	0.02		1.8	38.1	42.4	2.69	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
4	5380-81	<0.01		2.4	45.5	39.8	2.67	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
5	5381-82	0.02		2.2	41.9	41.9	2.65	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
6	5382-83	0.02		2.5	42.6	42.6	2.65	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
7	5383-84	0.01		2.3	45.3	39.6	2.64	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
8	5384-85	<0.01		2.6	46.6	39.2	2.65	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
9	5385-86	0.12		3.1	40.6	47.3	2.65	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
10	5386-87	0.02		2.5	50.3	22.3	2.66	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
11	5387-88	<0.01		2.6	39.6	46.3	2.65	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
12	5388-89	<0.01		2.9	39.3	32.8	2.66	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
13	5389-90	0.05		2.3	46.6	34.9	2.64	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
14	5390-91	0.02		2.3	41.5	41.5	2.67	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
15	5391-92	0.37		2.6	48.7	30.4	2.66	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
16	5392-93	0.19		2.4	48.0	34.3	2.66	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
17	5393-94	0.02		2.3	46.8	40.1	2.65	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
18	5394-95	0.01		2.0	41.9	41.9	2.67	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
19	5395-96	1.0		2.0	41.1	41.1	2.66	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
20	5396-97	0.02		1.7	46.5	31.0	2.68	SD-LT-GRY, VF GRN, TH SHL LAM	OVF
	5397-5398							SHALE--NO ANALYSIS	
	5398-5640							DRILLED	
	5640-5642							SHALE--NO ANALYSIS	
21	5642-43	0.12		2.2	37.9	32.5	2.64	SD-GRY, VF GRN, V/SHL	OVF

HICKS OIL & GAS, INC.
 SOUTHEAST CHA CHA NO. 40
 CHA CHA GALLUP
 SAN JUAN COUNTY

FORMATION : CHA CHA GALLUP
 DRLG. FLUID: WBM
 LOCATION : NE, NW SEC. 17-28N-13W
 STATE : NEW MEXICO

DATE : 3-21-82
 FILE NO. : RP-3-3196
 ANALYSTS : GGIDS
 ELEVATION: 6035 KH

CONVENTIONAL CORE ANALYSIS--BOYLES LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO HORZ.	AIR (VD) VERTICAL	POR. B.L.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION	
22	5643-44	0.06		11.0	37.2	6.2	2.66	SD-LT GRY, F GRN, CGL	OVF
23	5644-45	1.8		13.3	38.0	15.2	2.61	SD-BRN, M GRN, SHL LAM	OVF
24	5645-46	18		12.9	31.5	29.8	2.60	SD-BRN, M GRN, SHL LAM	OVF
25	5646-47	26		12.9	35.9	18.0	2.65	SD-BRN, M GRN, SHL LAM	
26	5647-48	1.1		12.2	31.3	16.5	2.67	SD-BRN, M GRN, SHL LAM	
27	5648-49	3.5		12.5	33.3	11.9	2.67	SD-BRN, M GRN, SHL LAM	
28	5649-50	0.41		9.5	32.0	21.3	2.66	SD-BRN, M GRN, SHL LAM	
29	5650-51	0.01		6.0	64.0	17.8	2.71	SD-BRN, F GRN, SHL LAM	
30	5651-52	0.01		6.6	51.8	23.0	2.65	SD-BRN, F GRN, SHL LAM	
31	5652-53	11		4.9	41.6	20.8	2.63	SD-GRY, F GRN, SHL	
32	5653-54	0.04		4.6	33.2	29.0	2.66	SD-GRY, F GRN, SHL	
33	5654-55	0.68		4.1	25.1	50.1	2.68	SD-GRY, F GRN, SHL	
34	5655-56	0.04		3.3	9.7	19.4	2.67	SD-GRY, F GRN, SHL	CVF
35	5656-57	0.01		2.2	18.4	59.0	2.68	SD-GRY, F GRN, SHL	OVF
36	5657-58	0.20		1.6	28.8	49.4	2.66	SD-GRY, F GRN, SHL	OVF
	5658-5655							SHALE--NO ANALYSIS	
	5665-5680							DRILLED	
	5680-5688							SHL/SD--NO ANALYSIS	
37	5688-89	0.05		2.7	20.1	45.9	2.65	SD-GRY, F GRN, SHL	
38	5689-90	0.06		2.4	29.4	39.2	2.68	SD-GRY, F GRN, SHL	
39	5690-91	0.07		2.9	54.7	24.3	2.66	SD-GRY, F GRN, SHL	
40	5691-92	0.13		2.2	33.0	37.7	2.71	SD-GRY, F GRN, SHL	
41	5692-93	2.9		3.3	22.6	55.1	2.65	SD-GRY, F GRN, SHL	
42	5693-94	0.02		3.1	29.9	24.9	2.67	SD-GRY, F GRN, SHL	
43	5694-95	2.5		4.7	34.5	34.5	2.65	SD-GRY, F GRN, SHL	

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PAGE NO. 3

HICKS OIL & GAS, INC.
SOUTHEAST CHA CHA NO. 40
CHA CHA GALLUP
SAN JUAN COUNTY

FORMATION : CHA CHA GALLUP
DRLG. FLUID: WBM
LOCATION : NE 1/4 SEC. 17-28N-13W
STATE : NEW MEXICO

DATE : 3-21-82
FILE NO. : RP-3-3106
ANALYSTS : GGIDS
ELEVATION: 6035 KB

CONVENTIONAL CORE ANALYSIS--BOYLES LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. HORIZ.	TO AIR (MD) VERTICAL	POOR. B.L.	FLUID OIL	SATS. WATER	GR. DNS.	DESCRIPTION
44	5695-96	0.08		6.0	32.6	27.5	2.68	SD-GRY,F GRN,SHL
45	5696-97	0.12		5.9	28.1	35.5	2.63	SD-GRY,F GRN,SHL
46	5697-98	0.10		5.5	29.5	27.9	2.64	SD-GRY,F GRN,SHL
47	5698-99	0.30		6.9	36.4	36.4	2.64	SD-GRY,F GRN,SHL
48	5699-00	0.20		7.1	33.7	29.6	2.63	SD-GRY,F GRN,SHL
49	5700-01	0.14		6.8	42.1	22.1	2.63	SD-GRY,F GRN,SHL
50	5701-02	0.16		7.6	34.3	27.9	2.63	SD-GRY,F GRN,SHL
51	5702-03	0.14		7.8	43.4	28.1	2.64	SD-GRY,F GRN,SHL
52	5703-04	0.06		4.7	22.3	4.9	2.67	SD-GRY,F GRN,SHL
53	5704-05	0.06		6.6	41.4	21.9	2.64	SD-GRY,F GRN,SHL
54	5705-06	0.07		6.4	41.6	26.0	2.64	SD-GRY,F GRN,SHL
	5706-5708							SHALE--NO ANALYSIS
	5708-5710							CORE LOSS

OVF OPEN VERTICAL FRACTURE
CVF CLOSED VERTICAL FRACTURE
SAMPLES HIGHLY KEROGENIC

5377-5397 - OIL PRODUCTIVE
5642-5658 - OIL PRODUCTIVE
5688-5706 - OIL PRODUCTIVE

COMPANY HICKS OIL & GAS COMPANY FIELD CHA CHA GALLUP FILE RP-3-3190
WELL SOUTHEAST CHA CHA NO. 40 COUNTY SAN JUAN DATE 3-21-82
LOCATION NE, NW SEC. 17-28N-13W STATE NEW MEXICO ELEV. 6035 KB

CORE-GAMMA CORRELATION

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY

RADIATION INCREASE

COREGRAPH

TOTAL WATER

PERCENT TOTAL WATER

80 60 40 20

CHA CHA GALLUP FORMATION

PERMEABILITY

MILLIDARCYs

100 50

10.5

.115

POROSITY

PERCENT

10 5 0

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80

