STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease: State [ ] Fee [X]
5. State Oil & Gas Lease No.:

TYPE OF WELL
OIL WELL [ ] GAS WELL [ ] DRY [X] OTHER
7. Unit Agreement Name:

TYPE OF COMPLETION
NEW WELL [ ] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER
8. Farm or Lease Name: Cantina

Name of Operator: Harben-Davis
9. Well No.: 1

Address of Operator:
10. Field and Pool, or Wildcat: Wildcat

Location of Well
UNIT LETTER M LOCATED 145 FEET FROM THE West LINE AND 990 FEET FROM
South LINE OF SEC. 22 TWP. 16S RGE. 38E NMPM
12. County: Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
3/31/85	4/22/85		3713.1 GR.	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
8780			→	0-8780	

24. Producing Interval(s), of this completion — Top, Bottom, Name:
25. Was Directional Survey Made: Yes

26. Type Electric and Other Logs Run: Dual Laterolog, G/R; Comp.Neut.-CDL; BHC Acoustic log.
27. Was Well Cored: No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	72#	375	17 1/2		None
8 5/8	24-32#	4580	11	1300 Howco Lite+300 "C"	None
5 1/2	15.5-17#	8780	7 7/8	275 Poz C+400 H 5# salt/sk	4022'
	Stage tool	set at 6024'		100 Poz C+275 H 5# salt/sk	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number) 0.41"

8644-8520 (20)
8405-8358 (11)
8008-7846 (28)
5609-5557 (15)
5457-5281 (27)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8644-8520	3000 gal 20% acid
8405-8358	2000 gal 15% acid
8008-7846	3000 gal 20% acid
5609-5557	2000 gal 15%; 10,000 gal 20%
5457-5281	4000 gal 15%; 20,000gal 2% KCl 74000# Sand

PRODUCTION

e First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		dry

e of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio

w Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)

Disposition of Gas (Sold, used for fuel, vented, etc.):
Test Witnessed By:

List of Attachments
Electric Logs, DST and Well Record

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED R. S. Gruenther TITLE Agent DATE 7/1/85

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. This form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy	2085	T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	2230	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt	3100	T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	3155	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	3340	T. Devonian		T. Menefee		T. Madison	
T. Queen	4035	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg	4558	T. Montoya		T. Mancos		T. McCracken	
T. San Andres	4936	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta	6258	T. McKee		Base Greenhorn		T. Granite	
T. Paddock	6440	T. Ellenburger		T. Dakota		T.	
T. Blinebry	7095	T. Gr. Wash		T. Morrison		T.	
T. Tubb	7666	T. Granite		T. Todilto		T.	
T. Drinkard	7836	T. Delaware Sand		T. Entrada		T.	
T. Abo	8303	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... 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. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	395	395	Caliche, Limestone	4850	4936	86	Shale, Sand
395	2085	1690	Sand, Shale, Ls. Stringers	4936	6258	1322	Dolomite, Shale Streaks
2085	2230	145	Anhydrite	6258	6440	182	Dolomite, Shale
2230	3100	870	Salt, Anhydrite	6440	7666	1226	Dolomite, Shale Streaks
3100	3340	240	Sand, Shale	7666	7836	170	Sand, Shale, Dolomite
3340	4850	1510	Dolomite, Shale Stringers, Sand	7836	8303	467	Dolomite
				8303	8354	51	Shale, Dolomite
				8354	8783	429	Dolomite

LTR

Job separation sheet

DST #1 - 5250' - 5500'. Opened tool at 8:40 a.m. for 30 minutes preflow. Tool opened with weak blow increasing slightly throughout preflow. Closed tool for 1 hour initial shutin pressure. Reopened for 1 hour flow period, with weak blow continuing throughout test. Closed tool for 2 hours final shutin pressure. Recovered 300' slightly oil cut drilling water. Chlorides - 8000ppm. Sample chamber pressure - 0. Recovered .02 cubic feet of gas, 1000cc heavily oil cut drilling water. Chlorides - 8000ppm.

Initial Hydrostatic pressure - 2411
Initial flowing pressure - 122 122
Initial shutin pressure 2369
final flow period pressure - 256 256
final shutin pressure - 2390
final Hydrostatic pressure - 2411

Daily Cost - $8,807.60, Accumulative Cost - $199,673.70.

DST #2 - 5510' - 5642'. San Andres porosity zone equivalent to abandoned producing zone 1200' to NC, 23' high on this zone. 30" PF; SI 60"; to 01:15; SI 02:15. Tool opened total of 01:45.

30" PF: tool opened with weak blow, steady for 30".
01:15 Flow Period: Tool opened with weak blow. Began steadly increasing to fair blow at end of flow period. 8 oz. surface pressure at 01:00. 9 oz. surface pressure at 01:15.
Recovered: 690' gas + 20' of oil. 30 GR. at 60 degrees +. 70' drilling water.
Water: 14,000ppm/RW .52 at 60 degrees
Pit: 12,000ppm/RW .59 at 60 degrees
Sampler: 0psi; .04 CFG; 100cc oil, 30 gravity; 1600cc drilling water, 14,000ppm.

Initial Hydrostatic Pressure - 2397
30" Preflow Pressures: Initial - 41; final - 21
60" Initial shutin pressure: 1502
1:15" Flow Pressures: Initial - 21; final - 41
2:15" final shutin pressure: 1049
final Hydrostatic pressure: 2377
Bottom Hole Temp.: 116 degrees

DST #3 - 7020' - 8030'. Tool opened at 1:04 A.M. with weak blow increasing to good blow at bottom of bucket at end of preflow period. Closed tool at 2:04 A.M. for one hour ISIP. Reopened tool at 3:04 for one hour flow period with good blow continuing throughout test period. Closed tool at 4:04 for two hour FSIP.
Recovered: 260' of gas in drill pipe
5' of free oil
35' of oil cut drilling mud
Sample chamber pressure: 50psi
Sample chamber recovery: .220 cubic feet of gas
150 cc oil
450 cc oil cut drillins mud
All Chlorides - 3000ppm
Oil gravity - 31 degrees at 60 degrees F.

Pressures: IHP 3673
IFP 200
FFP 125
ISIP 417
IFF 229
FFF 138
FSIP 454
FHP 3653

DST #4 - 8364'-8420'. Tool opened at 2:16 AM Mountain Standard Time, on April 20 with very weak blow for 30 minute preflow. Closed tool for 1 hour ISIP. Reopened for 1 hour flow period with very weak blow throughout test. Closed tool for 2 hour FSIP. Recovered 5' very slightly gas & oil cut drilling mud. Sample Chamber recovery - 1400 cc very slightly oil & gas cut drilling mud.

Pressures: IHP - 3900
IFP - 143
FFP - 102
ISIP - 143
IFF - 82
FFF - 82
FSIP - 265
FHP - 3920

DST #5 - 8420' - 8635'. Opened tool at 6:27 PM on April 21st with weak blow continuing throughout 30 minute initial Flow period. Closed tool for 1 hour ISIP. Reopened tool with weak blow continuing throughout 1 hour flow period. Closed tool for 2 hour FSIP. Recovered 2' oil, 93' slightly oil & gas cut drilling mud, 365' slightly gas cut drilling mud. Chlorides - 4000ppm. Sample Chamber recovery - 1800cc slightly oil & gas cut drilling mud. Chlorides - 4000ppm.

Pressures: IHP - 3992
IPF - 166
FPF - 187
ISIP - 2941
IFF - 311
FFF - 290
FSIP - 2921