

MANCOS-DAKOTA WELL DATA - Gavilan Area - Rio Arriba County, New Mexico

Well Name	Location U-S-T-R	Order Drld.	KB Elev.	Completion Date	Mancos Zone		Dakota Zone		Cumm. to 8/1/84		Current Prod.
					Perfs	BOPD @ GOR	Perfs	BOPD @ GOR	BO	MCF	BOPD @ GOR
Jerome P. McHugh											
Janet #1	A 27-25N-2W	2	7253	2-17-83	6689-7000	73 @ 2753	7740-7869	43 @ 1047	44,265	35,616	140 @ 573
Janet #2	I 21-25N-2W	3	7197	9 1 83	6657-7055	60 @ 3000	7841-7994	36 @ 1111	20,328	12,244	79 @ 592
E.T. #1	C 28-25N-2W	4	7170	9-19-83	6643-7025	96 @ 5219	7747-8033	18 @ 1833	19,864	8,052	80 @ 420
Wright Way #1	C 2-24N-2W	6	7329	9-29-83	6760-7072	51 @ 6000	7865-8141	27 @ 2000	33,891	21,227	127 @ 752
Mother Lode #1	H 3-24N-2W	7	7333	9-2-83	6765-7070	63 @ 5190	7861-8108	15 @ 2200	52,569	28,185	294 @ 591
Native Son #2	N 27-25N-2W	10	7329	11-18-83	6802-7485	233 @ 1882	7886-7977	58 @ 3824	30,540	19,587	535 @ 816
Full Sail #1	O 29-25N-2W	13	7119	6-15-84	6745-7409	216 @ 1444			-0-	-0-	81 @ 1442
Native Son #1	A 34-25N-2W	14	7320	6-7-84	6765-7443	198 @ 1636			5,927	4,830	312 @ 1603
High Adventure #1	A 33-25N-2W	--	7214	Location	(8190' Dakota)						
Full Sail #2	I 28-25N-2W	--	7263	Location	(8230' Dakota)						
Northwest Exploration											
Gavilan #1	A 26-25N-2W	1	7467	3-21-82	6821-7562	62 @ 8790	7879-8026		41,084	234,498	94 @ 2430
Gavilan #1-E	E 26-25N-2W	5	7319	7-23-83	6804-7366	32 @ 11700	7822-7918	10.2 @ 3400	11,811	47,656	29 @ 8519
Northwest Pipeline											
Rucker Lake #2	K 24-25N-2W	9	7396	8-26-83	6825-7484	193 @ 1200			41,827	23,386	148 @ 605
Rucker Lake #3	L 25-25N-2W	8	7408	8-10-83	6808-7538	145 @ 2089			33,342	34,899	112 @ 1245
Rucker Lake #4	J 25-25N-2W	--	7448	Location	(7800' Dakota)						
Mesa Grande Resources											
Gavilan-Howard #1	F 23-25N-2W	11	7294	4-23-84	6659-7370	75 @ 36160	7665-7849	83 @ 29,699	2,308	16,190	192 @ 10,016
Brown #1	N 17-25N-2W	17	7196	Waiting on Completion - 7" Casing @ 8300'							
Southland Royalty											
Hawk Federal #2	C 35-25N-2W	12	7331	3-25-84	6766-7448	215 @ 2447	7832-7914	Tst water	1,806	1,472	196 @ 2816
Hawk Federal #3	K 35-25N-2W	--		Location	(7950' Dakota)						
E. Alex Phillips (also known as Mesa Grande)											
Gavilan #2	J 26-25N-2W	15	7416	Completing	6872-7127	Testing	7902-7998	Testing	-0-	-0-	---
Dugan Production Corp.											
Lindrith #1	O 36-25N-2W	18	7432	Drilling	(7600' Mancos)						
Tapacitos #3	D 36-26N-2W	--	7818	Location	(7800' Mancos)						
Mallon Oil											
Ribeyowids Fed #1	P 2-25N-2W	--		Location	(8100' Dakota)						

APPLICATION for Jerome P. McHugh

MANCOS-DAKOTA WELL DATA - Gavilan Area - Rio Arriba County, New Mexico (Cont'd)

Well Name	Location U-S-T-R	Order Drl'd.	KB Elev.	Completion Date	Mancos Zone		Dakota Zone		Cumm. to 8/1/84		Current Prod. BOPD @ GOR	
					Perfs	BOPD @ GOR	Perfs	BOPD @ GOR	BO	MCF		
Amoco Production Co.												
Amoco Fed-Oso Cny.#1	E 24-24N-2W	16	7457	Completing 6838-7016		Testing	7926-8030	Squeezed	-0-	-0-	---	
Oso Canyon Fed. B-1	F 11-24N-2W	--		Location (8100' Dakota)								
Oso Canyon Fed. A-1	F 14-24N-2W	--		Location (8100' Dakota)								
Oso Cny Gas Com. D-1	P 11-24N-2W	--		Location (7965' Dakota)								
Oso Cny Gas Com. B-1	P 10-24N-2W	--		Location (7965' Dakota)								
Oso Cny Gas Com. C-1	F 13-24N-2W	--		Location (8040' Dakota)								
Oso Cny Gas Com. A-1	D 23-24N-2W	--		Location (7965' Dakota)								

FOOTNOTES

- A Also referred to as "Gallup"

B Commingled with Dakota

C Cemented 7" casing @ 6070' & also completed Greenhorn 7653-7708' with IP of 9.8 BOPD with GOR = 2510

D Surveyed Locations:
- Janet #1

Janet #2

E.T. #1

Wright May #1

Mother Lode #1

Native Son #2

Full Sail #1

Native Son #1

High Adventure #1

Full Sail #2
- 790' FNL - 790' FEL

1850' FSL - 790' FEL

1100' FNL - 1600' FWL

950' FNL - 1680' FWL

1730' FNL - 860' FEL

1020' FSL - 1670' FWL

980' FSL - 1730' FEL

790' FNL - 990' FEL

790' FNL - 790' FEL

1650' FSL - 790' FEL
- Ribeyowids Fed #1

Hawk Federal #2

Hawk Federal #3

Gavilan #2

Lindrieth #1

Tapacitos #3
- 860' FSL - 990' FEL

910' FNL - 1840' FWL

1835' FSL - 1690' FWL

1828' FSL - 1846' FEL

790' FSL - 1650' FEL

990' FNL - 790' FWL
- Amoco Fed-Oso Cny #1

Oso Canyon Fed. B-1

Oso Canyon Fed. A-1

Oso Cny Gas Com. D-1

Oso Cny Gas Com. B-1

Oso Cny Gas Com. C-1

Oso Cny Gas Com. A-1
- 990' FWL - 1650' FNL

1660' FNL - 1840' FWL

1660' FNL - 1790' FWL

Not Published

Not Published

Not Published

Not Published
- Rucker Lake #2

Rucker Lake #3

Rucker Lake #4
- 1420' FSL - 1520' FWL

1760' FSL - 940' FWL

2060' FSL - 1740' FEL
- Gavilan #1

Gavilan #1E
- 930' FNL - 910' FEL

1850' FNL - 990' FWL
- Gavilan-Howard #1

Brown #1
- 1850' FNL - 1651' FWL

850' FSL - 1850' FWL
- E Completion postponed. Dakota penetrated and development similar to other completions.

F Perfs temporarily abandoned with NMOCD not authorizing downhole commingling with Mancos.

G Commingled Carlile/Greenhorn and Dakota. Greenhorn and Carlile completed 7531-7647 and tested 102.5 BOPD with GOR of 22,829 while

H Dakota tested 20-30 BOPD with GOR of Approx. 37,280 during completion.

I Also completed Greenhorn 7740-7805' - no tests reported.

J To 7-1-84 - 7/84 data not on file with NMOCD as of 9/1/84.

J C-116 test