Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FOR APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: SF 080245-B

1a. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Dry Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: D.J. SIMMONS, INC.

8. Lease Name and Well No.: L.V. HAMNER B #1B

3. Address: 3005 NORTHRIDGE DR., FARMINGTON, NM 87401

3a. Phone No. *(include area code)*: (505) 326-3759

9. API Well No.: 30-045-29980

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At Surface: 1480' FNL & 850' FEL
At top prod. interval reported below
At total depth: SAME

JUL 2000 RECEIVED OIL CON. DIV DIST. 3

10. Field and Pool, or Exploratory: BLANCO MESA VERDE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 29, T29N, R9W

12. County or Parish: SAN JUAN

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
05/31/00	06/06/00	☐ D&A ☑ Ready to Prod. 06/20/00	5731 RKB

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
4705	4652	NONE

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION LOG, DENSITY LOG, TEMPATURE LOG

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☑ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	9 5/8" / J55	36	SURFACE	144	NONE	100 SX-CLASS H	21.0	SURFACE	NONE
8 3/4	7" / J55	23	SURFACE	2355	NONE	155 SX - CLASS B 3R ECONOLITE	77.8		
						150 SX - CLASS B	31.5	SURFACE	NONE
6 1/4	4 1/2" / J55	10.5	SURFACE	4705	NONE	290 SX - CLASS B 2% ECONOLITE	62.0		
						170 SX - CLASS B	35.7	2880	NONE

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	4537	NONE						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) POINT LOOKOUT - MESAVERDE	4396	4547	4396 - 4547	.32"	20	
B) CLIFFHOUSE, MENETEE -	3804	4314	3804 - 4314	.32"	20	
C) MESAVERDE						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4396 - 4547	1000 GAL 15% HCL, 90,000 GAL SLICKWATER, 90,000 LBS. 20/40 MESH SAND
3804 - 4314	1000 GAL 15% HCL, 90,000 GAL SLICKWATER, 90,000 LBS. 20/40 MESH SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/20/00	06/20/00	3	→		NO FLOW				FLOWING
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas : Oil Ratio**	**Well Status**	
3/4"	0	675	→		NO FLOW			SHUTIN	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/20/00	06/20/00	3	→		NO FLOW				FLOWING
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas : Oil Ratio**	**Well Status**	
3/4"	0	675	→		NO FLOW			SHUTIN	

ACCEPTED FOR RECORD
JUL 0 6 2000
FARMINGTON FIELD OFFICE
BY

(See instructions and spaces for additional data on reverse side)

NMOCD

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

SHUTIN, WAITING ON PIPELINE CONNECTION

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				OJO ALAMO	970
				FRUITLAND	1838
PICTURED CLIFFS	2109	2191	SANDSTONE, NATURAL GAS	PICTURED CLIFFS	2109
				LEWIS	2191
				CHACRA	3102
CLIFFHOUSE	3791	3815	SANDSTONE, NATURAL GAS	CLIFFHOUSE	3791
MENETEE	3815	4389	SANDSTONE, SHALE, COAL, NATURAL GAS	MENETEE	3815
POINT LOOKOUT	4389	4705	SANDSTONE, NATURAL GAS	POINT LOOKOUT	4389

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notices for plugging and cement verification
6. Core Analysis
7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* KEVIN H. MCCORD Title AGENT

Signature Kevin H. McCord Date 06/20/00

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DJ SIMMONS

HAMNER B #1B
1480 FNL & 850 FEL (SENE)
SECTION 29, T29N, R9W
SAN JUAN COUNTY, NEW MEXICO

COMPLETION REPORT

6/6/00 Moved in and rigged up Key Rig #38. Weld on bell nipple. Nipple up wellhead and nipple up BOP. Shut down for the night.

6/7/00 Pick up 3 7/8" drag bit, 4 - 3 1/8" collars, and 2 3/8" tubing. Tagged cement at 2841 ft (1818 ft to drill). Drilled 361 ft of cement in casing to 3202 ft (1457 ft left to drill). Shut down for the night.

6/8/00 Drilled 712 ft of cement in casing to 3914 ft (745 ft left to drill). Shut down for the night.

6/9/00 Drilled 743 ft of cement in casing to 4657 ft PBTD. Trip out of hole with tubing, collars, and bit. Trip in hole with casing scraper on tubing. Work scraper through cement drilled area. Circulate hole clean with fresh water. Trip tubing and scraper out of hole. Shut down for the night.

6/10/00 Rigged up Blue Jet wireline and American Energy Services pump truck. Ran GR-CLL-CBL log under 1000 psi pressure from 4652 ft RKB log corrected PBTD to 3000 ft. Found top of cement at 2880 ft RKB (above Chacra formation top). Pressure tested wellhead and casing to 3000 psi, held OK. Selectively perforated the following Point Lookout interval with .32" diameter holes as follows:

4396	4411	4422	4430	4436	4455	4514
4402	4416	4424	4432	4444	4499	4547
4408	4418	4428	4434	4452	4512	

Total of 20 perforations. Shut well in, shut down for the weekend.

6/11/00 Shut down, Sunday.

6/12/00 Tripped in hole with Weatherford Completion Systems strata pack tool on tubing. Rigged up American Energy Services pump truck and selectively acidized the Point Lookout perforation interval with 1000 gallons of 15% HCl acid as follows:

	Packer				
Perf	Top	Bottom	Breakdown	Pump-in	ISIP
4547	4546	4548	2500 psi	1¾ BPM @ 1100 psi	0 psi

4514	4513 4515	2000 psi	1¾ BPM @ 900 psi	0 psi
4512	4511 4513	1900 psi	2½ BPM @ 1100 psi	0 psi
4499	4498 4500	2300 psi	2¼ BPM @ 1900 psi	0 psi
4455	4454 4456	pump-in	2 BPM @ 0 psi	0 psi
4452	4451 4453	pump-in	2 BPM @ 0 psi	0 psi
4444	4443 4445	pump-in	2 BPM @ 100 psi	0 psi
4436	4435 4437	pump-in	2½ BPM @ 0 psi	0 psi
4434	4433 4435	pump-in	2½ BPM @ 0 psi	0 psi
4432	4431 4433	pump-in	2½ BPM @ 0 psi	0 psi
4430	4429 4431	pump-in	3 BPM@ 0 psi	0 psi
4428	4427 4429	pump-in	3½ BPM @ 0 psi	0 psi
4424	4423 4425	pump-in	3½ BPM @ 200 psi	0 psi
4422	4421 4423	pump-in	3½ BPM @ 200 psi	0 psi
4418	4417 4419	pump-in	3½ BPM @ 200 psi	0 psi
4416	4415 4417	pump-in	3½ BPM @ 200 psi	0 psi
4411	4410 4412	pump-in	3½ BPM @ 200 psi	0 psi
4408	4407 4409	pump-in	3½ BPM @ 200 psi	0 psi
4402	4401 4403	pump-in	3½ BPM @ 200 psi	0 psi
4396	4395 4397	pump-in	3½ BPM @ 200 psi	0 psi

Pressure tested strata pack tool above perforation interval, held 1000 psi with small bleed back, failed 2000 psi pressure test. Trip tubing and strata pack tool out of hole. Trip in hole with packer on tubing, setting packer at 3795 ft. Pumped 40 1.3 sg RCN ball sealers with water at 4.3 BPM @ 250 psi. Saw very little ball action, balled off casing to 2500 psi. Trip packer below perforations to knock ball sealers to bottom. Trip tubing and packer out of hole. Shut down for the night.

6/13/00 Rigged up American Energy Services. Fracture stimulated the Point Lookout interval down casing with 90,000 gallons of slickwater containing 90,000 lbs of 20/40 mesh Brady sand proppant as follows:

22,000 gals of slickwater pad	48 BPM @ 950 psi
4,000 gals of 0.5 ppg 20/40 sand	48 BPM @ 900 psi
25,000 gals of 1.0 ppg 20/40 sand	48 BPM @ 700 psi
30,000 gals of 1.5 ppg 20/40 sand	48 BPM @ 900 psi
9,000 gals of 2.0 ppg 20/40 sand	48 BPM @ 950 psi
2,900 gals of slickwater flush	48 BPM @ 1000 psi

ISIP = 0 psi (vacuum). Average rate 48 BPM, average pressure 900 psi, maximum pressure 1000 psi, minimum pressure 700 psi. All water contained 1% KCL and ½ gal/1000 clay stabilization agent. Sand contained 38 mc Ir-192 radioactive tracer material dispersed throughout job. Load to recover is 2076 barrels of water. Shut in well. Shut down for the night.

6/14/00 Rigged up Blue Jet wireline and American Energy Services pump truck. Set Baker drillable cast iron bridge plug with wireline at 4390 ft. Pressure

tested wellhead and casing to 3000 psi, held OK. Selectively perforated the Cliffhouse and Menefee intervals with .32" diameter holes as follows:

3804	3914	4058	4078	4169	4295	4310
3806	3921	4062	4163	4201	4302	4314
3811	4038	4072	4166	4224	4306	

Total of 20 perforations. Tripped in the hole with Weatherford Completion Systems strata pack tool on tubing. Selectively acidized the Cliffhouse and Menefee perforation intervals with 1000 gallons of 15% HCl acid as follows:

	Packer				
Perf	Top	Bottom	Breakdown	Pump-in	ISIP
4314, 4310	4307	4317	2000 psi	1½ BPM @ 700 psi	0 psi
4306, 4302	4298	4308	pump-in	2 BPM @ 900 psi	0 psi
4295	4288	4298	pump-in	2 BPM @ 900 psi	100 psi
4224	4219	4229	2000 psi	1¾ BPM @1500 psi	800 psi
4201	4196	4206	pump-in	1¾ BPM @1500 psi	800 psi
4169, 4166	4165	4175	1600 psi	2 BPM @ 1100 psi	700 psi
4163	4154	4164	none - holds 3000 psi, bleeds to 700 psi		
4078, 4072	4070	4080	2000 psi	2 BPM @ 900 psi	0 psi
4062, 4058	4055	4065	pump-in	2 BPM @ 750 psi	0 psi
4038	4033	4043	2000 psi	2 BPM @ 1400 psi	100 psi
3921, 3914	3913	3923	pump-in	2 BPM @ 1300 psi	700 psi
3811	3808	3818	1800 psi	2 BPM @ 1350 psi	900 psi
3806, 3804	3798	3808	pump-in	2 BPM @ 850 psi	200 psi

Pressure tested strata pack tool above perforation interval, held 2000 psi. Trip tubing and strata pack tool out of hole. Shut down for the night.

6/15/00 Rigged up American Energy Services. Fracture stimulated the Cliffhouse and Menefee intervals down casing with 90,000 gallons of slickwater containing 90,000 lbs of 20/40 mesh Brady sand proppant as follows:

22,000 gals of slickwater pad	44 BPM @ 2000 psi
4,000 gals of 0.5 ppg 20/40 sand	44 BPM @ 1900 psi
25,000 gals of 1.0 ppg 20/40 sand	44 BPM @ 1800 psi
30,000 gals of 1.5 ppg 20/40 sand	44 BPM @ 1900 psi
9,000 gals of 2.0 ppg 20/40 sand	44 BPM @ 1700 psi
2,900 gals of slickwater flush	44 BPM @ 1750 psi

ISIP = 800 psi, bleeding down to 725 psi after 15 minutes. Average rate 44 BPM, average pressure 1800 psi, maximum pressure 2000 psi, minimum pressure 1700 psi. All water contained 1% KCL and ½ gal/1000 clay stabilization agent. Sand contained 10 mc Sb-124 radioactive tracer material in 0.5 and 1.0 ppg stages and 20 mc Sc-46 in 1.5 and 2.0 ppg sand stages. Load to recover is 2076 barrels of water. Shut in well. Shut down for the night.