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JACK GRYNBERG AND ASSOCIATES  
Petroleum, Geological, Geophysical and Mining Engineers

1050 - 17th Street, Suite 1950  
Denver, Colorado 80202  
(303)572-1455

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OCT 1 1975

COLO. OIL &amp; GAS CONS. COMM.

DAILY DRILLING REPORTProspect/Area Blue GravelOperator: Jack J. Grynberg County: Moffat State: ColoradoWell Name: VILLARD Well No.: #1Location: SENE 2123' FNL 788' FEL Section: 14 Twp: 9N Rge: 91 WElevations: \_\_\_\_\_ Grd: 6603' DF: \_\_\_\_\_ KB: \_\_\_\_\_Well Type: Wildcat: \_\_\_\_\_ Development: \_\_\_\_\_ Other: Field Ext.Objective Zone(s): Lewis Sands Depth: 4650'Contractor: Superior Drilling Inc.Spud: 4:00 a.m. 1/15/75 Completed: \_\_\_\_\_ Status: \_\_\_\_\_

DATE	DEPTH	PROGRESS
		<u>COMPLETION REPORT</u>
8/26/75	PBTD 4522'	Moved in and started rigging up completion tools. Moved in and unloaded approximately 4300' of 2 3/8" tbg.
8/27/75	4522'	Finished rigging up completion tools. Installed tubinghead and blowout preventor. Started running 2 3/8" tbg. with bit and casing scraper to stage tool plug back depth. SDON.
8/28/75	4522'	Tagged up on fill at 3459'. Washed and drilled; cleaned out to 3655'. Rotated bit to check for presence of casing cutter guide. Torque indicated guide is located at this depth in hole. Pulled tbg. with bit and casing scraper. SDON.
8/29/75	4522'	Recovered small piece of metal lodged in drilling bit. Rigged up and ran magnet on wireline with 1 jt. of 2 3/8" tbg. Pulled magnet and recovered very small piece of metal and metal filings. Reran magnet again. Started pulling same. Hung up in casing approximately 300 ft. off btm. on way out. Pulled tension on wireline and SDON.
8/30/75	4522'	Ran cutter on slick line and cut off wireline cable @ 3350'. Pulled slick line and cable out of hole. Ran overshot to 2112 and had tite spot. POH to change to smaller overshot. SDON.
8/31/75	4522'	Ran 3 1/2" overshot w/ 3/8" grapple. Engaged fish @ 3350 and knocked free. Chased to bottom and engaged fish. Tripped out. Did not recover fish. Grapple appears to be too small. SD for Sunday.
9/01/75	4522'	Shut down for Sunday.
9/02/75	4522'	Ran larger grapple on tubing and recovered fish. Tripped in w/globe basket on tubing to 3642'. SDON.
9/03/75	4522'	Milled on junk and drilled out DV tool. Tripped into PBTD at 4308'.
9/04/75	PBTD 4308'	Circ. hole. Pulled tubing and tools. SDON. Picked up bit and casing scraper. Tripped into PBTD. Displaced hole with water and spotted 2% KCl water. Pressure tested to 2000 psi. Held okay. Swabbed fluid level to approx. 4000'. SDON.
9/05/75	4308'	Pulled tubing bit and casing scraper. Rigged up wireline perforating equipment. Perforate in casing using casing carrier gun with one jet shot at each of the following depths with respect to Dresser Atlas Compensated Neutron Densilog/GR/Cal. dated 1/25/75: 4235, 4237 4239, 4241, 4243, 4245, 4252, 4254, 4256. (Total 9 holes). Had blow on vent line immediately. Rigged up and ran 2 3/8" tubing with aluminum plug in seating nipple on btm. of lowest jt. Steady blow on vent line remained while tripping in hole with tubing, and blow became gas. Ran tbg. to approx. 4180' with blast jt. on top of string. Removed BOP and installed tubinghead adapter. SDON. Left casing vent line open to blow gas to pit.

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DAILY DRILLING REPORT

Prospect/Area Blue Gravel  
 Operator: Jack J. Grynberg County: Moffat State: Colorado  
 Well Name: VILLARD Well No.: #1  
 Location: SENE 2123' FNL 788' FEL Section: 14 Twp: 9 N Rge: 91 W  
 Elevations: \_\_\_\_\_ Grd: 6603' DF: \_\_\_\_\_ KB: \_\_\_\_\_  
 Well Type: Wildcat: \_\_\_\_\_ Development: \_\_\_\_\_ Other: Field Ext.  
 Objective Zone(s): Lewis Sands Depth: \_\_\_\_\_  
 Contractor: Superior Drilling Inc.  
 Spud: 4:00 a.m. 1/15/75 Completed: \_\_\_\_\_ Status: \_\_\_\_\_

DATE	DEPTH	PROGRESS
9/06/75	PBTD 4308'	<u>COMPLETION REPORT.</u> Ran sinker bar on sandline and knocked out aluminum tbg. plug. Ran swab to determine fluid entry. Had none. Closed in tbg./csg. annulus. Swabbed tbg. dry and had steady blow of gas. Casing pressure built to 130 psi. SDON. Shut well in at 4:30 p.m. 9/5/75 for pressure build up.
9/07/75	4308'	Well shut in 9/6/75.
9/08/75	4308'	Bled pressure from tbg. and annulus. Rigged up Dowell and Nowsco to stimulate perforated interval shown above (4235-4256). Acidized down tbg. w/500 gal. BDA and dropped ball sealers. Had good ball action. Max pressure = 1450 psig, ISDP = 1100 psig. Released pressure to drop off balls and pressure decreased to 600 psig. Then pressure immediately increased to 1600 psig. Blew down pressure blowing gas and no fluid for approx. 30 min. Started pumping 4000 gal. pad w/5% KCl and L-42. Stopped operation w/57 bbls. pumped due to excessive pressure and low rate. Established rate of 3.5 BPM at 3000 psi when pumping down tbg. and annulus. Blew well dry by pumping 80,000 SCF of N <sub>2</sub> down annulus. Well dried up. Flowed gas to pit up tbg. for 3 1/2 hrs. Well died completely and started again during this period. Shut in for pressure build up. Pressure increased to 300 psig SITP in 60 min. Blew well to pit and pressure decreased in 2 min. Well unloaded fluid and pressure increased to 90 psig and blew N <sub>2</sub> and H <sub>2</sub> O. Continued blowing well and pressure decreased to 10 psig FTP in 25 min. Shut in at 7:30 p.m. 9/7/75 for pressure build up. At 11:00 p.m. 9/7/75 SITP = 1100 psig. Opened well and blew gas to pit for 45 min. and pressure decreased to <10 psig. Shut in. Had immediate increase to 80 psig.
9/09/75	4308'	At 7:45 a.m. 9/8/75, SITP = 1400 psig, SICP = 1425 psig. Blew gas to pit and pressure decreased to <10 psig in approx. 30 min. Pumped 1000 gal. BDA w/N <sub>2</sub> mixed in acid and used N <sub>2</sub> to flush to bottom perf. Used total of 75,000 SCFN <sub>2</sub> . Max. pressure = 2250 psig. on flush. Blew tbg. to pit. Blew N <sub>2</sub> , load water and gas. Well died completely in approximately 45 min. Displaced hole w/N <sub>2</sub> down annulus. Blew small amount of fluid from tbg. to pit. Started blowing to pit at 11:15 a.m. 9/8/75. Well continued blowing gas and intermittent fluid to pit.

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 Well Type: Wildcat: \_\_\_\_\_ Development: \_\_\_\_\_ Other: Field Ext.  
 Objective Zone(s): Lewis Sands Depth: \_\_\_\_\_  
 Contractor: Superior Drilling Inc.  
 Spud: 4:00 a.m. 1/15/75 Completed: \_\_\_\_\_ Status: \_\_\_\_\_

DATE	DEPTH	PROGRESS
9/10/75	PBTD 4308'	<u>COMPLETION REPORT</u> At 8:00 a.m. on 9/9/75; well still blowing gas to pit. Ran standing valve on sand line to seating nipple. Removed wellhead, installed BOP and stripping head. Pulled tubing. Left well open to pit. Prep. to run junk basket and gauge ring on wireline to check for ball sealers on perfs.
9/11/75	4308'	Rigged up OWP and ran gauge ring and junk basket to 2020. Tools would not go through casing patch. Pulled gauge ring and junk basket. Reperforated in casing using casing carrier gun with one jet shot at each of the following depths with respect to Dresser Atlas CNL/FDC/GR/Cal dated 1/25/75: 4235, 4237, 4239, 4241, 4243, 4245, 4252, 4254, 4256 (Total 9 additional holes). Gas blow at sfc. increased after reperforating. Fluid level in casing was at approx. 4090 when perforating. Rigged up Dowell Cementer and pumped 95 bbls. of 5% KCl water down casing to break down perfs and establish injection rate. Reached 8 BPM @ 1150 psig. ISDP = 950 psig 10 min = 800 psig. Bled pressure and well continued to unload small stream of KCl water. Rigged up to run 2 3/8" tbg. w/aluminum tbg. plug. Ran tbg. to approx. 4180' with blast joint on top of string. Removed BOP and installed tubinghead adapter. Left well open to pit from annulus overnight. SDON. Annulus still unloading very small stream of KCl water early a.m. 9/11/75. Ran sinker bar on sandline and knocked out aluminum tbg. plug. Closed in annulus and started running swab to unload KCl load water.
9/12/75	4308'	Swabbed remainder of 5% KCl load water from well with tbg. casing annulus closed in. Annulus pressure increased to 150 psi while swabbing, and had steady blow of gas on tubing vent. line. Last swab run recovered approximately 100 ft of gas cut load water. SDON. Rigged up and ran swab this a.m. and recovered approximately 50 ft. of gas cut water on first run swabbing from seating nipple. Prep to move in equipment and frac well.
9/13/75	4308'	Fracture treated well using WF 40 and WF 70, 1 gal. F-75/1000, 20#/1000 gal. J-84, 2% KCl wtr, 400 scf N <sub>2</sub> / bbl. as follows: 6000 gal. Pad No prop 4000 gal. WF40 No prop 5000 gal. WF40 1.5 ppg 20/40 sand 1000 gal. WF70 No prop 6000 gal. WF40 1.5 ppg 10/20 sand 2000 gal. WF70 No prop 8000 gal. WF70 2 ppg 8/12 sand Flushed w/60 bbls. KCl water

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GOLD. OIL & GAS CONS. COMM.

DAILY DRILLING REPORT

Operator: Jack J. Grynberg County: Moffat State: Colorado  
Prospect/Area: Blue Gravel  
Well Name: VILLARD Well No.: #1  
Location: SENE 2123' FNL 788' FEL Section: 14 Twp: 9 N Rge: 91 W  
Elevations: \_\_\_\_\_ Grd: 6603' DF: \_\_\_\_\_ KB: \_\_\_\_\_  
Well Type: Wildcat: \_\_\_\_\_ Development: \_\_\_\_\_ Other: Field Ext.  
Objective Zone(s): Lewis Sands Depth: \_\_\_\_\_  
Contractor: Superior Drilling Inc.  
Spud: 4:00 a.m. 1/15/75 Completed: \_\_\_\_\_ Status: \_\_\_\_\_

DATE	DEPTH	PROGRESS
		<u>COMPLETION REPORT</u>
9/13/75	4308'	Continued- ISDP = 1700 psig 5 min. = 1700 psig Average pressure = 3000 psi Average liquid rate = 20 BPM Total Fluid = 32,000 gal. & flush Total Sand = 7500# 20/40 9000# 10/20 16,000# 8/12 <u>32,500# Total</u>
9/14/75	4308'	Started flow back up tubing. On 9/13/75, well blowing frac water to pit through tubing. SICP = 380 psi.
9/15/75	4308'	On 9/14/75, well blowing heavy mist to pit through tubing. SICP = 340 psi.
9/16/75	4308'	On 9/15/75, well blowing heavy mist to pit through tubing. SICP = 340 psi.
9/17/75	4308'	On 9/16/75, well blowing heavy mist to pit through tubing. SICP = 340 psi. Rigging up wireline to check PBD.
9/18/75	4308'	Ran wireline and checked PBD at 4260'KB. for approximately 45 ft. of fill. Bottom perforation is located at 4256'KB, and therefore all perms. are open. Shut well in at 6: p.m. 9/17/75. At 8:00 a.m. 9/18/75, SITP = 1200 psig.
9/19/75	PBD 4260'KB	Well shut in.
9/20/75	4260'	Well shut in.
9/21/75	4260'	Well shut in.
9/22/75	4260'	At 9:00 a.m. 9/22/75, gauge pressures as follows: SITP = 1400 psig SICP = 1400 psig.
9/23/75	4260'	Plan to move in test separator as soon as possible. At 9:00 a.m. 9/23/75, gauge pressures as follows: SITP = 1400 psig SICP = 1400 psig

Villard #1 - Sec. 14, T 9 N - R 91 W, Moffat County, Colorado.

9/24/75 - Well shut in. Waiting on pipeline company to test well.

VILLARD #1 - Sec. 14, T 9 N - R 91 W, Moffat County, Colorado

PBD  
9/25/75 - 4260' - Well shut in. Waiting on pipeline company to test well.

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Contractor: Superior Drilling Inc.

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VILLARD #1 - Sec. 14, T 9 N - R 91 W, Moffat County, Colorado.

PBTD  
9/26/75 - 4260' - Well shut in. Preparing to begin testing well this a.m.

PBTD  
9/27/75 - 4260' - At 9:00 a.m. 9/26/75, SITP = 1450 psig. Tested well through portable test separator with 1.5" orifice plate as follows:  
1) First stabilized rate = 2 mmcfpd at 900 psig. FTP, 1075 psig SICP with 875 psig downstream pressure.  
2) Second stabilized rate = 2.2 mmcfpd at 725 psig FTP, 950 psig SICP with 700 psig downstream pressure. Discontinued further testing due to test separator limitations.

PBTD  
9/28/75 - 4260' - Well shut in. Waiting on pipeline connection which is expected by October 15, 1975. FINAL REPORT!

DVR	
FJP	
HHM	
JAM	
JJD	
GGH	
CGM	

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9/14/75	4308'	Started flow back up tubing.
9/15/75	4308'	On 9/13/75, well blowing frac water to pit through tubing. SICP = 380 psi.
9/16/75	4308'	On 9/14/75, well blowing heavy mist to pit through tubing. SICP = 340 psi.
9/17/75	4308'	On 9/15/75, well blowing heavy mist to pit through tubing. SICP = 340 psi.
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9/20/75	4260'	Well shut in.
9/21/75	4260'	Well shut in.
9/22/75	4260'	Well shut in.
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9/17/75	4308'	On 9/16/75, well blowing heavy mist to pit through tubing. SICP = 340 psi. <u>Rigging up wireline to check PBTD.</u>

*file*  
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