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To Appropriate
District Office
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P.O. Box 1980, Hobbs, NM 88240

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811 South First, Artesia NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised 1-1-89

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30-039-26986
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator WILLIAMS PRODUCTION COMPANY		6. State Oil & Gas Lease No.
3. Address of Operator P O BOX 3102, MS 25-4, TULSA, OK 74101		7. Lease Name or Unit Agreement Name: ROSA UNIT
4. Well Location (Surface) Unit letter <u>O</u> : <u>10</u> feet from the <u>SOUTH</u> line & <u>2470</u> feet from the <u>EAST</u> line Sec 08-31N-05W RIO ARRIBA, NM		8. Well No. 46A
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 8123' GR		9. Pool name or Wildcat BLANCO MV/BASIN DK

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL
WORK

PLUG AND ABANDON

REMEDIAL WORK

ALTERING CASING

TEMPORARILY ABANDON

CHANGE PLANS

COMMENCE DRILLING OPNS.

PLUG AND
ABANDONMENT

X PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

OTHER: COMMINGLE & REPAIR

OTHER: _____

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

OBJECTIVE: REPAIR HOLE IN LONG STRING TUBING. INCREASE SIZE OF LONG STRING TUBING.

- 1) MIRU, kill, ND tree, & NU BOP's.
- 2) POOH with tubing on both strings.
- 3) Mill out packer.
- 4) Clean out fill to PBTD @ 8,079' MD..
- 5) RIH and hang-off commingled string @ 8,035' MD.
- 6) ND BOP's & NU tree.
- 7) TEST WELL TO MAKE CERTAIN TUBING IS NOT PLUGGED.
- 8) Release rig.
- 9) Return to production.

RCVD AUG 7 '07
OIL CONS. DIV.
DIST. 3

No DHC order yet 8-8-07

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rachel Lipperd TITLE: Engineering Technician DATE: August 3, 2007

Type or print name Rachel Lipperd Telephone No: (918) 573-3046

(This space for State use)

APPROVED

BY [Signature] TITLE: Deputy Oil & Gas Inspector, DATE AUG 09 2007

Conditions of approval, if any:

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EXPLORATION & PRODUCTION

COMMUNICATION REPAIR & COMMINGLING PROCEDURE

ROSA #46A
API No. 30-039-26986
T31N, R5W, SECT. 08
ELEVATION: 6,191' GR
TD: 8,123' MD

WELLBORE STATUS:

DEVIATED HOLE: SEE ADDENDUM 1 PAGES 5, 6 & 7

DK 2-1/16", 3.3 #/FT, To 8,018 MD
5-1/2" MODEL D PACKER @ 6,250' MD

MV 2-1/16", 3.3 #/FT, To 6,052 MD

ESTIMATED DK SIBHP = 750± PSIG

ESTIMATED MV SIBHP = 550± PSIG

ESTIMATED DK SIBHT = 189± °F

OBJECTIVE: Repair hole in long string tubing. Increase size of long string tubing.

- 1) MIRU, kill, ND tree, & NU BOP's.
- 2) POOH with tubing on both strings.
- 3) Mill out packer.
- 4) Clean out fill to PBTD @ 8,079' MD..
- 5) RIH and hang-off commingled string @ 8,035'MD.
- 6) ND BOP's & NU tree.
- 7) TEST WELL TO MAKE CERTAIN TUBING IS NOT PLUGGED.
- 8) Release rig.
- 9) Return to production.

PRIOR TO PRIMARY JOB

- 1) Test rig anchors.
- 2) Verify location is OK for rig operations.
- 3) Ensure JSA, ECP's and lockout procedures are in place for the flowline and other energized piping or equipment.
- 4) Acquire 6,400 ft of 2-3/8" or 2-7/8" L-80 or stronger work string.
- 5) Acquire 5,350' of 2-7/8", eue, 8rd, 6.5 #/ft J-55 tubing.
- 6) Acquire 2,900' of 2-7/8", 6.4 #/ft, 10 RD---NOTE: Standard collars are preferred, turned-down collars are not necessary.
- 7) Locate and have on standby 300' of 2-1/16" 3.25 #/ft, tubing.
- 8) Acquire wellhead and convert from dual tubing string to a single, 2-7/8" tubing string.
- 9) Acquire crossovers from 2-7/8" 6.5 #/ft eue 8rd to 2-7/8", 6.4 #/ft, 10 RD.
- 10) Acquire 2-7-8", **2.313" I.D. Halliburton Type X or XN** type nipple.
- 11) **KCL** on location to treat kill water as needed.

SAFETY NOTICE

PERSONNEL SAFETY IS THE NUMBER ONE JOB.
NO EXCEPTIONS!!!

COMMUNICATION REPAIR & COMMINGLING PROCEDURE

ROSA #46A DAKOTA

PRIMARY JOB

Note: Safety meetings shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent (i.e. beginning/ending fishing operations, squeeze jobs, rigging down, perforating, etc.)

1. MI and spot equipment to include fluid pumps, and tanks.
2. MIRU.
3. ND/NU killing well with KCL water as necessary
4. Test the BOP's to 2,500 psig minimum. If they fail, then rebuild and retest. If they cannot pass tests DO NOT PROCEED and notify Production Engineer.
5. Pick up on DK long string to determine if the long string will pull.
6. If long string will POOH from step #5 above, then POOH with MV short string and proceed to step # 7. If the long string will not POOH, proceed with sub-steps 6.1 through 6.3 below:
 - 6.1. POOH with short string one or two joints to confirm ability to move.
 - 6.2. Pick up additional joints of 2-1/16" pipe and wash to top of packer at 6,250 ft using heavy air mist. Wash as necessary until returns clean up to approximately ¼ cup of sand in 5 gallons of water returns.
 - 6.3. After returns clean up, POOH with pipe laying down string.
7. Spear or screw in and POOH with 2-1/16" 3.25 #/ft DK (long string) string using straight pull to pull out of Model D packer seal assembly up to 40,000 #'s.
8. POOH with lay down tubing (248± jts. 2-1/16" 3.25# J-55) and seal assembly.
9. NU additional pipe ram for work string or replace pipe ram with annular preventer.
10. Pick up work string.
11. Pick up Model D packer millover & pulling tool, using DC's and assembly as necessary and RIH on work string to mill over Model D packer @ 6,250 ft MD and RIH on work string. If work string not inspected prior to work do not exceed 70% of joint strength of the work string pipe when pulling.
12. Millover and attempt to pluck Model D packer at 6,250 ft MD. If using 4.7 #/ft work string weight of dry string above packer is 29.5k #'s and if 6.5 #/ft work dry string weight will be 40.7k #'s. When attempting to pull packer and tail pipe determine work string weight and do not pull more than 70% of joint strength.
13. POOH with packer and lay down work string, tools and packer.

14. RIH with mule shoe, 2.3" minimum ID X nipple, 2,900'± 6.4#/ft, 10rd, J-55, tubing on bottom crossing over to 2-7/8" 6.5#/ft eue 8rd.
15. Circulate 2 bottoms up from 8,079'.
16. After returns clean up to, hang off EOT @ 8,035'±.

ATTENTION

Only use pipe dope on the pins. Do not dope the couplings. If pipe dope gets on the exterior of the couplings or pipe it should be wiped clean from the pipe or coupling. Do not use excess pipe dope and only dope the threads on the pins.

17. N/D BOP's and N/U wellhead.
18. Return well to production.
19. R/D, move off location.
20. Notify pumper on route to place well on test.



Exploration & Production

Production Allocation Recommendation ROSA #46A (MV/DK)

<u>WELLNAME:</u> ROSA #46A <u>LOCATION:</u> SW/4 SE/4 Sec.08, T31N,R05W <u>API No.:</u> 30-039-26986	<u>FIELD:</u> Rosa DK & Blanco MV <u>COUNTY:</u> Rio Arriba, NM <u>Date:</u> August 1, 2007
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Current Status: The ROSA #46A is currently a dual completion well producing from the Dakota and Mesaverde formations. The Production Optimization and Enhancement Team recommends commingling this well upon completion of the workover currently underway.

Commingle Procedure:

- Dakota tubing will be pulled
- MesaVerde tubing will be pulled
- Production packer will be removed
- Well will be cleaned out to PBTB
- A single string of 2-7/8" tubing will be run to ~8,035'
- One set of wellhead facilities will be removed
- Well will be produced as a MV/DK commingle

Allocation Method: Historic production data from both zones on this well was gathered and analyzed. Monthly production data from Jan 2001 to May 2007 was considered for both zones. During this time frame the Dakota accounted for approximately 85.06% of the total production of the well, while the Mesa Verde contributed the remaining 14.94% during the same time. \

From Dec 2002 – May 2007

Total Production from well	=	572,644 Mcf
Total Production from DK	=	342,914 Mcf or 59.88% of total
Total Production from MV	=	229730 Mcf or 40.12% of total

Production stabilized at approximately month # 8 (July 2003), thereby establishing more representative production volumes.

From Jul 2003 – May 2007

Production from well	=	418,927 Mcf
Production from DK	=	267,572 Mcf or 63.87% of total

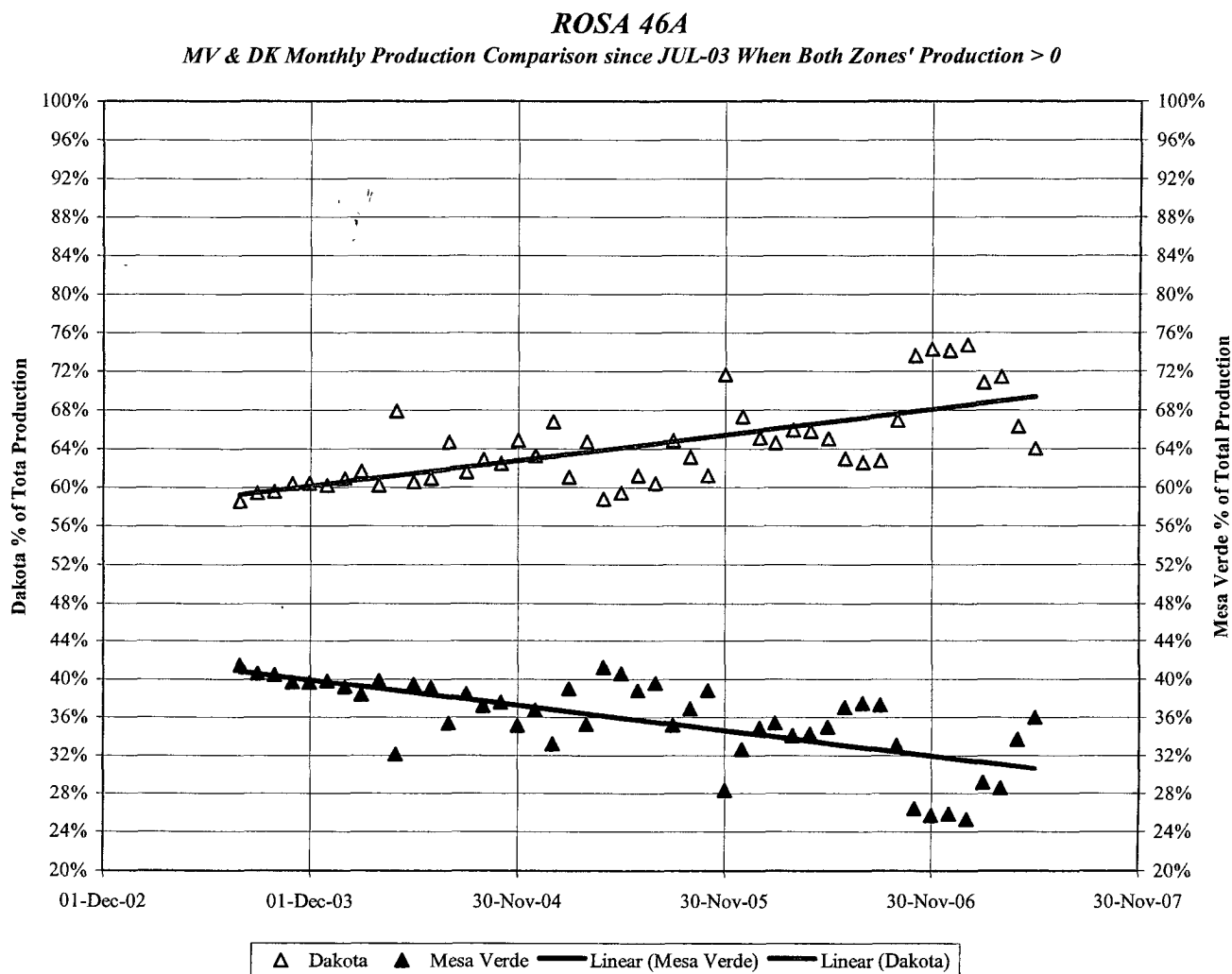
Production from MV = 151,354 Mcf or 36.13% of total

A plot of monthly production % for months when both zones produced at least 1 MCF of gas are shown in an attached plot as well as a plot starting on July 2003. The July 2003 to present data appears more representative and it is proposed that a linear best fit with last month's production data, May 2007, be used for the value of the bet fit in May 2007. The requested fixed percentage for allocation is 30% of total flow for the Mesa Verde zone and 70% of total flow for the Dakota zone.

Requested Commingled Allocation:

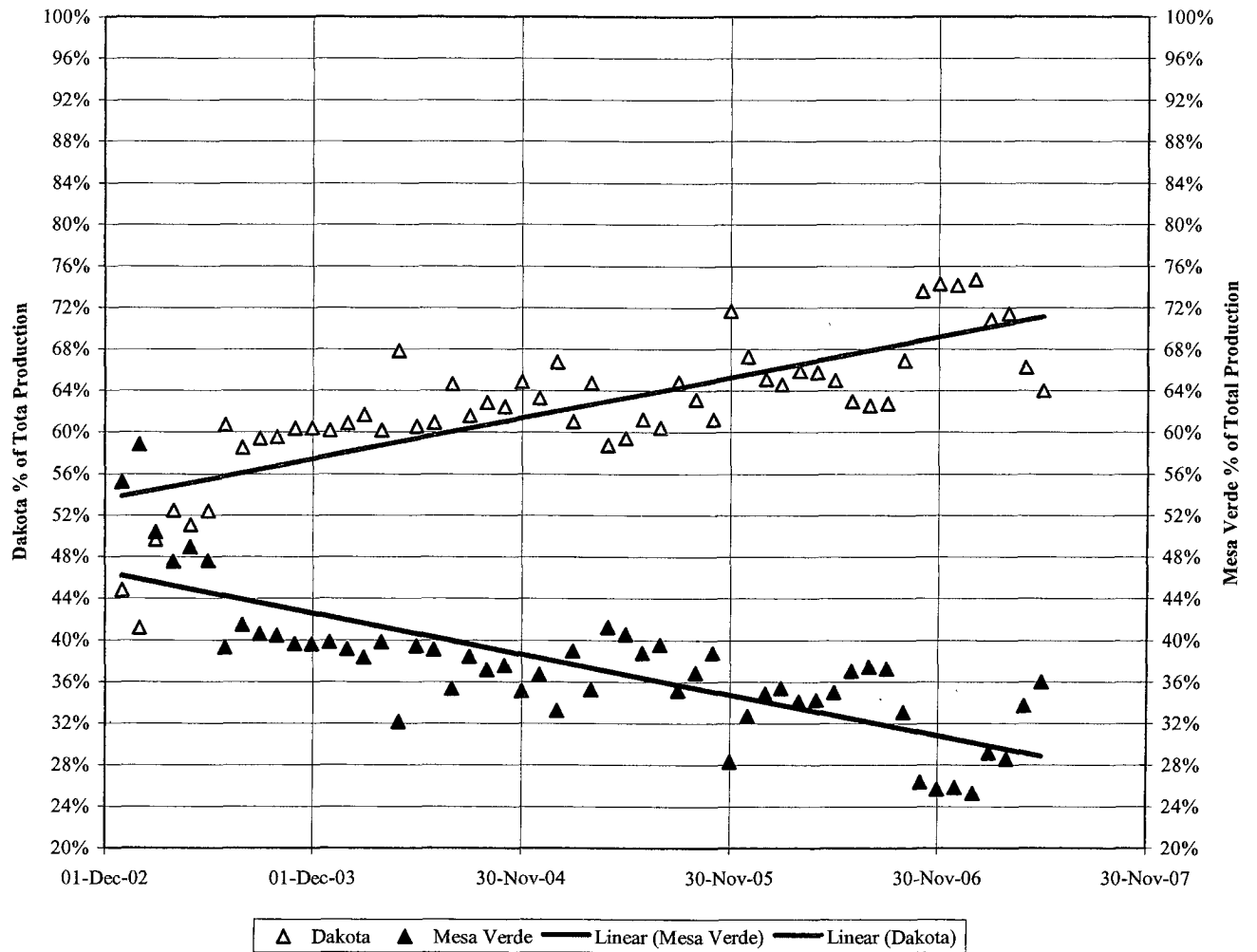
DK allocation = 70% of wellstream flow.

MV allocation = 30% of wellstream flow.



ROSA 46A

MV & DK Monthly Production Comparison for All Months When Both Zones' Production > 0



**ROSA UNIT #46A
BLANCO MV/BASIN DK**

Surface Location:

10° FSL and 2470° FEL
SW/4 SE/4 Sec 08(O), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

1029° FSL and 1686° FEL
SW/4 SE/4 Sec 08(O), T31N, R5W
Rio Arriba, NM

Elevation: 6191° GR
API # 30-039-26986

Spud: 09/27/02

Completed: 11/06/02

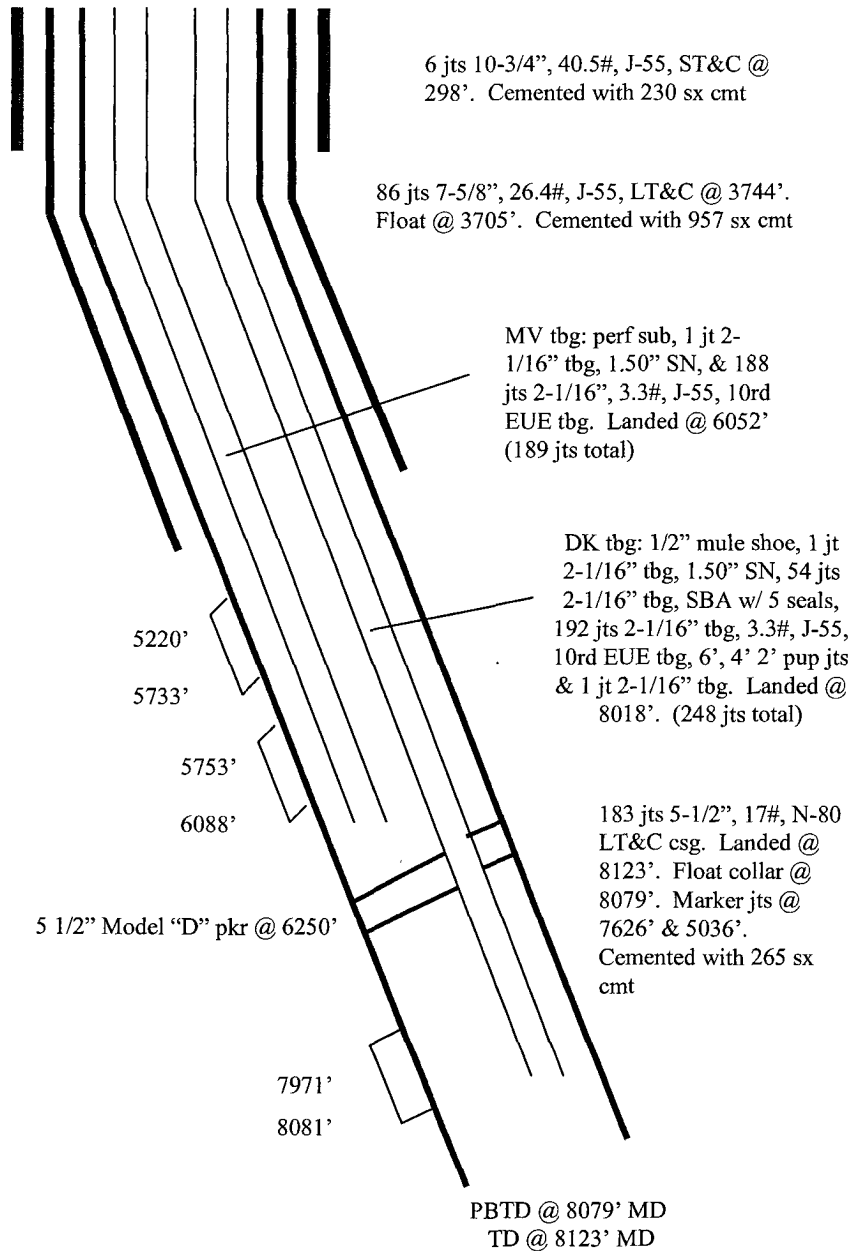
	MD
Top	Depth
Pictured Cliffs	3244'
Lewis	3599'
Cliffhouse Ss.	5496'
Menefee	5544'
Point Lookout	5748'
Mancos	7786'
Dakota	7969'

Stimulation:

Cliffhouse/Menefee: 5220' - 5733' (25, 0.38" holes) Frac with 80,000# 20/40 sand in 1745 bbls gelled water.

Point Lookout: 5753' - 6088' (29, 0.38" holes) Frac with 80,000# 20/40 sand in 1891 bbls gelled water.

Dakota: 7971' - 8081' (21, 0.42" holes) Frac with 95,900# sand in 1283 bbls gelled water.



Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	230 sx	325 cu. ft.	Surface
9-7/8"	7-5/8", 26.4#	957 sx	1607 cu. ft.	Surface
6-3/4"	5-1/2", 17#	265 sx	557 cu. ft.	2550'